CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS.

New York, June 6, 1907.

CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.) and Bid-Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Work.	Place.	On file.	See issue
Repairing hospital..	Washington, D. C..	S.	5-30
Canal, etc..	Belle Fourche, S. D.	S. & B. S.	5-30
Engine..	Atlantic City, N. J.	S. & B. S.	5- 9
Lock-gate..	Pittsburg, Pa.	S.	5-30
Pontoons..	Cincinnati, Ohio.	S. & B. S.	5-16
Jetty work..	Sabine Pass, Tex.	S. & B. S.	5-16
Riprap, seawall..	Winthrop, Mass.	S. & B. S.	5-23
Stone..	Portland, Ore.	S. & B. S.	5-23
Jetty..	Portland, Ore.	S. & B. S.	5-23
Breakwater..	Los Angeles, Cal.	S. & B. S.	6- 6
Bridges, etc..	Mitchell, Neb.	P., S. & B. S.	5- 9
Dredging..	Mobile, Ala.	S. & B. S.	6- 6
July 27—Dry dock..	Bremerton, Wash.	S.	5-30

*Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

Bids close.	Work.	Place.	On file.	See issue
June 7.	Equipment,	Columbus, Ohio	June	6
June 8.	Equipment,	Topeka, Kan.	June	6
June 10.	Smokestack,	Ft. Adams, R. I.	May	16
June 11.	Supplies,	Washington, D. C.	May	16
June 11.	Light,	Macon, Ga.	May	23
June 12.	Light plant,	Fort Wayne, Ind.	May	2
June 12.	Light plant,	Hampton, Iowa	May	30
June 14.	Light plant,	Sausalito, Cal.	May	30
June 14.	Equipment, Advertised, Eng. News, May 16 to June 13.	Philadelphia, Pa.	May	16
June 15.	Lighting system,	Ft. Worden, Wash.	June	6
June 17.	Equipment,	New York, N. Y.	June	6
June 19.	Gas works,	New Zealand (Foreign)	June	6
June 21.	Lighting system, Advertised, Eng. News, June 6.	Niagara Falls, N. Y.	June	6
June 24.	Light plant, Advertised, Eng. News, June 6.	Ft. Wayne, Ind.	June	6
July 1.	Heating,	Omaha, Neb.	June	6
July 9.	Water and light plant, Advertised, Eng. News, June 6.	Jackson, Mo.	June	6
July 10.	Electrical equipment,	Australia (Foreign)	June	6
Dec. 31.	City lighting,	India (Foreign)	June	6

BRIDGES.

June 6.	Bridge and culverts,	Ft. Scott, Kan.	May 30
June 6.	Bridges,	London, Ont.	May 30
June 7.	Bridges,	Reading, Pa.	May 30
	Advertised, Engineering News, May 30.		
June 7.	Bridge repairs, etc.,	Cincinnati, Ohio.	May 30
June 8.	Bridges, etc.,	Cleveland, Ohio.	May 30
June 10.	Bridge,	Wooster, Ohio.	May 30
June 10.	Superstructure, Advertised, Eng. News, May 23.	Parkersburg, W. Va.	May 23
June 10.	Bridges, etc.,	Frankfort, Ind.	June 6
June 10.	Bridges,	Pecos, Tex.	June 6
June 11.	Bridge,	Napa, Cal.	June 6
June 11.	Abutment,	Jeffersonville, Ohio	June 6
June 11.	Bridge, etc.,	Marietta, Ohio	June 6
June 12.	Bridge,	Houston, Tex.	June 6
June 13.	Bridge,	Crookston, Minn.	June 6
June 14.	Substructure,	Cleveland, Ohio.	June 6
June 11.	Bridge,	Hamilton, Ohio.	May 30
June 14.	Bridge work,	Cincinnati, Ohio.	May 30
June 14.	Bridge flooring, Advertised, Eng. News, May 23 and 30.	Knoxville, Tenn.	May 23
June 15.	Trestle, etc., Advertised, Eng. News, May 16 to June 6.	Ft. Dade, Fla.	May 16
June 15.	Bridge, Advertised, Engineering News, May 30 to June 6.	Washington, D. C.	May 30
June 15.	Bridges,	Moscow, Idaho	June 6
June 15.	Bridges, etc.,	Celina, Ohio	June 6
June 17.	Bridges, etc.,	Rushville, Ind.	June 6
June 17.	Abutment,	Jefferson, Ohio.	May 30
June 18.	Bridge,	Brunswick, Mo.	May 30
June 20.	Bridge,	Greenville, Ohio.	May 30
June 20.	Superstructure, Advertised, Engineering News, May 30 to June 6.	Grand Rapids, Mich.	May 30
June 20.	Bridge,	Greenville, Ohio	June 6
June 20.	Superstructure,	Grand Rapids, Mich.	June 6
June 20.	Bridges,	Washington, Pa.	June 6
June 24.	Approaches, etc.,	Columbus, Ohio.	June 6
June 25.	Bridge,	National Soldiers' Home, Tenn.	May 23
June 26.	Bridges, etc., Advertised, Eng. News, May 9-30.	Mitchell, Neb.	May 9
July 8.	Superstructures,	Fredericton, N. B.	May 23
July 8.	Spans,	Fredericton, N. B.	June 6
July 8.	Bridge,	Hagerman, N. Mex.	June 6
July 16.	Bridges, etc., Advertised, Engineering News, May 30 to July 11.	Toronto, Ont.	May 30
July 20.	Steel bridges,	Porto Rico.	June 6
July 10.	Bridge work, Advertised, Eng. News, June 6 to July 4.	Nashville, Tenn.	June 6

BUILDINGS.

June 8.	Elevator, Advertised, Engineering News, May 30 and June 6.	Macon, Ga.	May 30
June 8.	Repairs,	Washington, D C.	May 30
June 10.	Ventilating,	New York, N. Y.	May 30
June 10.	Schools,	New York, N. Y.	May 30
June 10.	Fire station,	New York, N. Y.	June 6
June 11.	Heating, etc., Advertised, Eng. News, May 16 and 23.	Seattle, Wash.	May 16
June 13.	Post office, Advertised, Eng. News, May 9 and 16.	Meriden, Conn.	May 9
June 13.	Concentrating plant (Mfg. Plants),	Sault Ste. Marie, Ont.	June 6
June 13.	Public bath,	New York, N. Y.	June 6
June 15.	Freight shed, Advertised, Eng. News, June 6.	Ft. Monroe, Va.	June 6
June 15.	Ice plant, etc., Advertised, Eng. News, May 16 to June 6.	Fort Dade, Fla.	May 16
June 17.	Post-office,	Webster City, Iowa.	May 16
June 17.	Schools,	New York, N. Y.	June 6
June 18.	Alterations,	New York, N. Y.	June 6
June 20.	School, Advertised, Eng. News, May 16 to 30.	Bayonne, N. J.	May 16
June 20.	Air compressor plant, Advertised, Engineering News, May 30 to June 13.	St. Paul, Minn.	May 30
June 24.	Post-office,	Ogden, Utah.	May 16
June 28.	Marble cornice, Advertised, Eng. News, June 6 and 13.	Burlington, Vt.	June 6
July 1.	Pulp plant,	Niagara Falls, N. Y.	May 2
July 1.	Post-office, Advertised, Engineering News, May 30 and June 6.	Ithaca, N. Y.	May 30
July 2.	Post-office, Advertised, Engineering News, May 30 and June 6.	San Antonio, Tex.	May 30
July 8.	Post-office,	Fort Worth, Tex.	May 30
July 9.	Post-office,	Colorado Springs, Colo.	June 6
Sept. 15.	Abattoir plans,	France (Foreign)	June 6

WATER SUPPLY AND IRRIGATION.

June 7.	Water pipe, etc.,	Waukegan, Ill.	June 6
June 8.	Water meters, Advertised, Eng. News, May 23 and 30.	Washington, D. C.	May 23
June 10.	Pipe,	Belle Fourche, S. Dak.	May 23
June 10.	Filters, Advertised, Eng. News, May 23 to June 6.	West Point, N. Y.	May 23
June 10.	Boiler, pumps, etc., Advertised, Engineering News, May 30 to June 6.	Clinton, Okla.	May 30
June 11.	Drain,	Logansport, Ind.	May 30
June 10.	Ditch,	Marshalltown, Iowa.	May 30
June 10.	Canal, etc., Advertised, Eng. News, May 30.	Belle Fourche, S. Dak.	June 6
June 11.	Ditch,	Petersburg, Ill.	June 6
June 11.	Water mains,	Rocky Ford, Colo.	June 6
June 11.	Engine, Advertised, Eng. News, May 30.	Atlantic City, N. J.	May 30
June 11.	Ditches,	Parker, S. Dak.	May 30
June 11.	Ditch,	Logansport, Ind.	May 23
June 12.	Hydrants, etc.,	Portland, Ore.	May 30
June 14.	Water mains, etc.,	New York, N. Y.	June 6
June 15.	Box covers, Advertised, Engineering News, May 30 to June 6.	Washington, D. C.	May 30
June 15.	Stop cocks, etc., Advertised, Engineering News, May 30 to June 6.	Washington, D C.	May 30
June 15.	Tank, etc.,	Ft. Dade, Fla.	May 23
June 17.	Pumping engine, Advertised, Eng. News, May 16 to June 6.	Bellaire, Ohio.	May 16
June 17.	Water main,	Fargo, N. Dak.	June 6
June 19.	Water-works, etc.,	Dalhousie, N. B.	June 6
June 19.	Water-works, etc.,	Romney, W. Va.	Apr. 25
June 21.	Ditches, Advertised, Eng. News, June 6 and 13.	Albany, N. Y.	June 6
June 21.	Water-works,	Mineola, N. Y.	June 6
June 28.	Laying pipe, etc., Advertised, Eng. News, May 16 to June 27.	Passaic, N. J.	May 16
June 29.	Filtration plant,	Sandusky, Ohio.	May 23
July 1.	Dam,	Portland, Ore.	Apr. 25
July 1.	Water-works,	Harvey, N. Dak.	May 30
July 1.	Filtration plant, Advertised, Eng. News, June 6 to 27.	Ft. Hancock, N. J.	June 6
July 8.	Dam, Advertised, Eng. News, June 6 to 27.	Livermore, Colo.	June 6
July 15.	Water-works,	Eunice, La.	May 30
Aug. 19.	Filtration plans, Advertised, Eng. News, May 30.	Sacramento, Cal.	May 30

SEWERAGE.

June 7.	Sewer,	St. Louis, Mo.	May 23
June 7.	Sewer,	Steubenville, Ohio	June 6
June 7.	Sewer,	Chillicothe, Ohio	June 6
June 9.	Sewers,	McKeesport, Pa.	May 23
June 10.	Sewers, etc.,	Houston, Tex.	May 23
June 10.	Sewer, Advertised, Eng. News, May 9 and 16.	Forest City, Pa.	May 30
June 10.	Sewer,	Sycamore, Ill.	June 6
June 11.	Sewers,	Ashtabula, Ohio	June 6
June 12.	Sewers, Advertised, Eng. News, May 23 to June 6.	New York, N. Y.	May 23
June 17.	Sewers, Advertised, Engineering News, May 30 to June 6.	Washington, D. C.	May 30
June 18.	Sewers, Advertised, Eng. News, May 30 and June 6.	Allenstown, N. H.	May 30
June 18.	Sewers, Advertised, Eng. News, May 23 to June 6.	Ottawa, Ill.	May 23
June 19.	Sewage main, Advertised, Eng. News, June 6 and 13.	Columbus, Ohio	June 6
June 20.	Sewers, Advertised, Eng. News, June 6.	Plainfield, N. J.	June 6
June 20.	Sewers, Advertised, Eng. News, June 6 and 13.	Ft. Edward, N. Y.	June 6
June 20.	Sewer, Advertised, Eng. News, June 6 and 13.	Washington, D. C.	June 6
June 24.	Water-works, Advertised, Eng. News, June 6.	West Bend, Wis.	June 6
June 24.	Sewers, Advertised, Eng. News, June 6 and 13.	Oxford, N. C.	June 6
June 27.	Discharge pipe,	Portsmouth, Va.	June 6
June 28.	Sewers, Advertised, Eng. News, June 6.	Boston, Mass.	June 6
July 1.	Bridge, etc., Advertised, Eng. News, June 6 to 27.	Frackville, Pa.	June 6
July 1.	Sewer,	River Forest, Ill.	June 6
July 1.	Sewers, Advertised, Eng. News, June 6 to 20.	Pierre, S. Dak.	June 6

STREETS AND ROADS.

June 7.	Paving,	Louisville, Ky.	May 30
June 8.	Grading, Advertised, Eng. News, May 30 to June 13.	Washington, D C.	May 30
June 8.	Improving roadway, Advertised, Engineering News, May 30 to June 6.	Gary, Ind.	May 30
June 8.	Road,	Celina, Ohio	June 6
June 10.	Sidewalks, etc.,	New Orleans, La.	June 6
June 10.	Paving,	New Orleans, La.	June 6
June 10.	Paving, etc.,	Union, N. J.	June 6
June 10.	Grading,	Willmar, Minn.	June 6
June 10.	Paving,	Clinton, Ind.	June 6
June 10.	Paving, etc.,	Louisville, Ky.	June 6
June 10.	Paving,	Cedar Falls, Iowa.	May 30
June 10.	Grading, etc., Advertised, Eng. News, May 23 to June 6.	Salem, N. J.	May 23
June 11.	Highway,	Chardon, Ohio	May 23
June 11.	Macadam, etc.,	Ellicott City, Md.	June 6
June 11.	Grading, etc.,	Shreveport, La.	June 6
June 12.	Paving, Advertised, Eng. News, June 6.	Pittsfield, Mass.	June 6
June 12.	Roads,	Freehold, N. J.	May 16
	Advertised, Eng. News, May 16 to June 6.		
June 12.	Roads,	Providence, R. I.	May 30
June 13.	Equipment,	Newman, Ga.	May 30
June 13.	Highway,	Zanesville, Ohio	May 23
June 13.	Paving, etc.,	New York, N. Y.	June 6
June 14.	Paving,	Caldwell, Ohio	May 23
June 15.	Roads,	Ft. Snelling, Minn.	June 6
June 15.	Roads,	Celina, Ohio	June 6
June 17.	Grading, etc.,	Chardon, Ohio	June 6
June 19.	Paving, etc.,	Piedmont, W. Va.	June 6
June 19.	Roads,	Concord, N. H.	June 6
June 20.	Paving,	New York, N. Y.	June 6
June 20.	Paving,	New York, N. Y.	June 6
June 21.	Paving, etc.,	McLeansboro, Ill.	June 6
June 26.	Asphalt plant, Advertised, Eng. News, June 6 to 20.	Norfolk, Va.	June 6
June 25.	Paving, etc.,	Reynoldsville, Pa.	May 9
June 27.	Grading,	Janesville, Wis.	June 6
July 1.	Sidewalks,	Ft. Riley, Kan.	June 6

MISCELLANEOUS CONTRACTS.

At once.	Crushed rock ballasting, Advertised, Eng. News, June 6.	Indianapolis, Ind.	June 6
June 7.	Rubber fire hose,	New York, N. Y.	May 30
June 7.	Riprap, Advertised, Eng. News, May 9 to 30.	Bridgeport, Conn.	May 9
June 7.	Dredge, Advertised, Eng. News, May 2 to May 23.	Philadelphia, Pa.	May 2
June 7.	Riprap, Advertised, Eng. News, May 16 to June 6.	Washington, D. C.	May 16
June 8.	Levee,	New Orleans, La.	May 23
June 10.	Shelter for trucks, Advertised, Eng. News, May 16 to June 6.	Fort Totten, N. Y.	May 16
June 10.	Sea-wall, Advertised, Eng. News, May 30 to June 6.	Newport, R. I.	May 30
June 10.	Repairing fire boat,	New York, N. Y.	June 6
June 10.	Grading,	Washington Barracks, D. C.	June 6
June 11.	Power launches,	New York, N. Y.	June 6
June 12.	Wharves,	Ottawa, Ont.	May 30
June 12.	Light vessels,	Washington, D. C.	May 23
June 12.	Dredging,	San Diego, Cal.	May 23
June 12.	Lock-gate,	Pittsburg, Pa.	May 23
June 13.	Sea-wall,	San Francisco, Cal.	May 23
June 13.	Subway,	New York, N. Y.	May 23
June 13.	Pipe fence,	Brooklyn, N. Y.	May 23
June 13.	Hydraulic dredge, Advertised, Eng. News, May 16 to June 6.	Washington, D. C.	May 16
June 13.	Removing columns,	Brooklyn, N. Y.	June 6
June 13.	Coal-handling machinery,	Hamilton, Ohio.	June 6
June 14.	Concrete wall, fence, etc.,	New York, N. Y.	June 6
June 14.	Barges,	Vicksburg, Miss.	May 30
June 14.	Wharves,	Ottawa, Ont.	May 30
June 14.	Pontoons, Advertised, Eng. News, May 23 to June 13.	Cincinnati, Ohio	May 23
June 14.	Dams, shore protection, Advertised, Eng. News, May 16 to June 6.	Rock Island, Ill.	May 16
June 15.	Cement,	Los Angeles, Cal.	June 6
June 15.	Jetty work, Advertised, Eng. News, May 16 to June 6.	Sabine Pass, Tex.	May 16
June 15.	Dredging,	Hawaii	Apr. 25
June 15.	Lock-gates, etc., Advertised, Eng. News, May 23 to June 13.	Nashville, Tenn.	May 23
June 15.	Steel tug, Advertised, Eng. News, May 23 to June 13.	Duluth, Minn.	May 23
June 15.	Tunnel, Advertised, Eng. News, May 23 to June 6.	Chattanooga, Tenn.	May 23
June 15.	Riprap, sea-wall,	Winthrop, Mass.	May 23
June 15.	Coal bunkers,	Philadelphia, Pa.	May 23
June 15.	Fences,	Fort Myer, Va.	May 30
June 15.	Freight shed, Advertised, Eng. News, June 6.	Fort Monroe, Va.	June 6
June 17.	Sand, cement, etc.,	New York, N. Y.	June 6
June 17.	Stone, Advertised, Eng. News, May 23 to June 13.	Portland, Ore.	May 23
June 17.	Jetty,	Portland, Ore.	May 23
June 18.	Dikes, walls, Advertised, Eng. News, May 23 to June 13.	Savannah, Ga.	May 23
June 18.	Breakwater,	Los Angeles, Cal.	June 6
June 18.	Railway,	Servia (Foreign)	June 6
June 19.	Dredging, Advertised, Eng. News, May 23 to June 13.	New York, N. Y.	May 25
June 20.	Jetty repairs, etc.,	Cleveland, Ohio.	May 30
June 20.	Moving beacon,	Tompkinsville, N. Y.	May 30
June 20.	Air compress. plant, Advertised, Eng. News, May 30 to June 13.	St. Paul, Minn.	May 30
June 20.	Mattresses,	New Orleans, La.	May 30
June 21.	Cement,	Ottawa, Ont.	June 6
June 21.	River improvements,	Albany, N. Y.	June 6
June 22.	Tow boat,	Chattanooga, Tenn.	June 6
June 24.	Sea-wall, Advertised, Eng. News, May 30 to June 20.	New Orleans, La.	May 30
June 24.	Pier, etc., Advertised, Eng. News, May 30 to June 20.	Saugatuck, Mich.	May 30
June 24.	Breakwater, Advertised, Eng. News, May 30 to June 20.	Duluth, Minn.	May 30
June 25.	Excavation, Advertised, Eng. News, June 6.	Boston, Mass.	June 6
June 28.	Dredges,	Panama	June 6
June 28.	Dredging, Advertised, Eng. News, June 6.	Mobile, Ala.	June 6
June 28.	Dredging, Advertised, Eng. News, June 6.	Duluth, Minn.	June 6
June 29.	Concrete dam, Advertised, Eng. News, June 6.	Cincinnati, Ohio.	June 6
June 29.	Rock excavation, Advertised, Eng. News, June 6.	Portland, Me.	June 6
June 29.	Dredging, Advertised, Eng. News, May 30 to June 20.	Boston, Mass.	May 30
June 29.	Removal of garbage, Advertised, Eng. News, May 30 to June 27.	Youngstown, Ohio.	May 30
July 1.	Tunnel, Advertised, Eng. News, Sept. 13 to Mar. 14.	New Zealand (Foreign)	Sept. 13
July 1.	Dredging, Advertised, Eng. News, June 6.	Baltimore, Md.	June 6
July 1.	Dredging, Advertised, Eng. News, June 6.	Montgomery, Ala.	June 6
July 1.	Concrete seawall, Advertised, Eng. News, June 6.	Sandy Hook, N. J.	June 6
July 2.	Excavation, Advertised, Eng. News, June 6.	Ogdensburg, N. Y.	June 6
July 3.	Dredging, Advertised, Eng. News, June 6.	Detroit, Mich.	June 6
July 6.	Dredging, Advertised, Eng. News, June 6.	Newport, R. I.	June 6
July 8.	Dam, Advertised, Eng. News, June 6.	Livermore, Colo.	June 6
July 12.	Seawall, Advertised, Eng. News, June 6.	Mobile, Ala.	June 6
July 15.	Smelting materials,	Australia (Foreign)	June 6
July 18.	Dredging, Advertised, Eng. News, June 6.	Fernandina, Fla.	June 6
July 27.	Dry dock,	Bremerton, Wash.	May 30
July 30.	Railway,	Spain (Foreign)	June 6
Sept. 2.	Telephone material,	Australia (Foreign)	June 6
Sept. 2.	Competitive plans for wharf, etc.,	Sweden (Foreign)	May 2

CIVIL SERVICE EXAMINATIONS.

June 19.	Mechanician,	Washington, D. C.	June 6
June 19.	Clerk-Draftsman,	Washington, D. C.	June 6
June 19.	Inspector of Hulls,	Seattle, Wash.	June 6
June 26.	Ch. Engr.,	Chicago, Ill.	June 6
June 26.	Steam Engr.,	Washington, D. C.	June 6
June 27.	Insp. Sewer Constr.,	New York, N. Y.	June 6
June 29.	Asst. Civil Engr.,	Albany, N. Y.	June 6
June 29.	Engineering Examiner,	Albany, N. Y.	June 6
June 29.	Leveler,	Albany, N. Y.	June 6

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATLANTIC, NORTHERN & SOUTHERN.—Company has awarded contract to the ENGINEERING CONSTRUCTION & SECURITIES CO., 171 La Salle St., Chicago, for building its railway. It is to extend from Manning to Villisca, Iowa, 78 miles. The first sections will be built from Atlantic to Kimballton and Elkhorn. Surveys have been made. Capital and right-of-way are obtained. J. A. McWaid is Pres., and H. S. Rattenborg is Gen. Mgr., at Atlantic, Iowa.

BALTIMORE & OHIO.—This company proposes to build an extension of the Quemahoning branch from Boswell, Pa., to the mines of the Somerset Coal Co., about four miles. The Quemahoning branch connects with the Somerset & Cambria branch at Quemahoning Junction, which connects with the main line of the B. & O. at Rockwood, Pa.

CANADIAN PACIFIC.—Contract has been let to G. A. BEGG & CO., of St. Catharines, Ont., for reducing grades and straightening curves on the line from Woodbridge, Ont., to Bolton, ten miles.

CHICAGO, INDIANAPOLIS & EVANSVILLE.—The Indianapolis "News" states that "the filing of a mortgage for $15,000,000 on the property of the Chicago, Indianapolis & Evansville Railroad Co., which proposes to build a steam road the entire length of the State from Chicago to Evansville, by way of Indianapolis, seems to indicate that the road has been successfully financed and that actual construction work will begin this spring. John B. Carter, Pres. of the Carter Construction Co., according to former announcement, is to build the road for KENEFICK & CO., of Kansas City. O. B. Jameson, of Jameson, Joss & Hay, Attorneys for the company, quotes Mr. Carter in saying that work looking to the construction of the proposed road would be started without delay."

DULUTH-THUNDER BAY.—This company, recently incorporated in Minnesota in connection with the new Wisconsin & Northern Minnesota Railway Co., proposes to build a road from Superior, Wis., to Duluth, and thence along the north shore of Lake Superior to Ft. William and Port Arthur, Ont. The immediate object of the company appears to be to establish independent terminal facilities at Superior and Duluth for the Minneapolis, St. Paul & Sault Ste. Marie Ry. and other roads which may require them in the future. Charles E. Wales, of Minneapolis, Vice-Pres. of the Pittsburg Coal Co., is Pres. of the Duluth-Thunder Bay Railway Co. James A. Ferguson, of Duluth, is Vice-Pres. and H. B. Fryberger, of Duluth, is Secy. and Treas. The capital stock of the company is $100,000.

HUDSON BAY PACIFIC.—The Seattle (Wash.) "Times" states that "the Hudson Bay Pacific Railway, with a capital stock of $100,000,000, has formally filed articles of incorporation at Olympia. The proposed road will cross the continent nearly 300 miles north of any present transcontinental road, and in addition to opening up one of the richest farming and mining countries in the world will give nearly a direct route from Liverpool to Yokohama. The incorporators are D. B. May, Seattle; and F. Bellinger and W. H. Duvall of New York. New York and English capital is said to be behind the undertaking. D. B. May is secretary of the company and is in reality the founder of the enterprise, as he spent 16 years in the Northwest investigating the possibilities of a railroad. The new road will be 1,450 miles long and the promoters expect to run from Fort Churchill, the eastern terminal, to Port Simpson in 30 to 35 hours. The company has contracted for two steamships capable of carrying 25,000 tons to run from Port Simpson to Yokohama, and English capitalists have assured them that they will establish a line between Liverpool and Fort Churchill."

IRON MOUNTAIN & GREENBRIER.—We are officially informed that Williams Bros., Civil Engrs., Marlinton, W. Va., are locating five miles of branch line to Alvon, W. Va. The branch will extend up White's Draft and will be a lumber road. G. W. HUNTLEY & SON, of Marlinton, will be the contractors. They also have the contract for stocking several thousand acres of lumber on White's Draft belonging to the St. Lawrence Lumber Co.

KANSAS CITY SOUTHERN.—It is now announced that right-of-way has been nearly all secured for the proposed extension of this line to New Orleans. The New Orleans branch will start from Leesville, La., 118 miles north of Port Arthur, and run southeasterly, through Oberlin and Eunice, to Crowley, on the Southern Pacific, which will be paralleled as far as New Iberia, 41 miles. From that point the route runs easterly and then southeasterly, between the Texas & Pacific and Southern Pacific, passing through a rich sugar plantation country. The length of the branch from Leesville to New Orleans will be about 250 miles, and the distance from Kansas City to New Orleans about 918 miles. Noted on April 25.

KENTUCKY.—William Love & Co., Board of Trade Bldg., Indianapolis, Ind., want bids for ballasting 50 miles of railroad in Kentucky, with crushed rock. Company will furnish equipment for distributing. (Advertised, Engineering News.)

KENTUCKY HIGHLANDS. — Contracts have been awarded to MASON, HANGER & COLEMAN, of Richmond, Ky., for building this road, from Versailles to Frankfort, 15 miles. S. S. Bush is Pres. and Gen. Mgr., Louisville, Ky.; C. D. Lehmkuhl is Supt. of Construction and A. A. Bond, Ch. Engr. Noted on April 25.

LEHIGH VALLEY.—The Lehigh Valley Ry., of New York, owned by the Lehigh Valley R. R. Co., has been granted authority by the New York State Board of Railroad Commissioners to increase its capital stock from $11,200,000 to $13,543,000 for the purpose of enlarging and improving its terminal properties at Buffalo, N. Y., including ore-handling docks and freight warehouses on the water front, extensions of the East Buffalo and Depew storage and classification yards, and the building of classification yards at Manchester and East Waverly, N. Y. The estimated costs of the extensions and improvements at Buffalo are as follows: Increased ore-handling facilities at the "Tifft Farm" terminal, including three unloading machines and storage bridges with clamshell buckets, extension of storage floors and frontage, etc., $400,000; additional freight houses, $250,000; new trackage to ore docks and freight houses and changes in freight house and water front tracking, $400,000; outlet channel from the Blackwell Canal and Tifft Farm Canals to the outer harbor (Lake Erie) with drawbridge over Hamburg turnpike, $350,000; bulkheads and filling to protect and develop property and facilities along the lake front on outer harbor, $750,000; extension of East Buffalo yards to Cheektowaga, interchange tracks with the Nickel Plate and Lake Shore roads, in connection with the New York Central's Gardenville gravity yards now being built in Cheektowaga, N. Y., $350,000; new storage and classification yards at Depew, N. Y., and coaling station at Wende, East Buffalo, $350,000; total, $2,850,000. The estimated cost of the classification yards at Manchester and East Waverly, N. Y., is $750,000. Contracts for a portion of the improvements noted have already been let. Walter G. Berg is Ch. Engr. of the Lehigh Valley R. R., New York.

LOUISVILLE & ATLANTIC.—The contract for building four miles from Heidelburg, Ky., up Sturgeon Creek to the coal fields has been taken by MASON, HANGER & COLEMAN, of Richmond, Ky., it is reported.

MANUFACTURERS' RY.—We are officially advised that surveys are made for this line which will be about six miles long, running to city limits of St. Louis, Mo. Right-of-way is partly obtained. The construction work will be heavy, including a number of highway bridges over tracks and removal of grade crossings. Adolphus Busch is Pres. and Edward Flad is Ch. Engr., Fullerton Bldg., St. Louis.

MEMPHIS & GULF.—A new charter has been recorded under this title, to run from Memphis to Meridian, Miss., and thence to the Gulf of Mexico. The first charter was filed four years ago, and it then proposed to build from Memphis to Pensacola, Fla. Chester H. Pond, of Morehead, Miss., is Pres. and Robert B. Sims, Treas. Others interested are H. P. Cornell, Alexander S. Lyman and Charles P. Blair, of New York; and L. M. Moen, of Newark, N. J. They are the incorporators, who, with H. Dickson, H. Walker and T. C. Carter, constitute the directors.

NORTHERN PACIFIC.—J. E. EDWARDS, of Forsyth, Mont., has been given the contract for grading the N. P. R. double-track extension from Muir to Bozeman, Mont.

W. L. Darling, Ch. Engr., St. Paul, Minn., is reported to have announced that this company will expend $700,000 in making yard, roundhouse and shop improvements to the yards at Mandan, N. Dak. Work would not be commenced until late in the fall.

NOVA SCOTIA EASTERN.—Survey parties are running lines for this proposed railway. A party in charge of Lewis Whitman, C. E., of Annapolis, has been started out from Dartmouth, N. S. This party of surveyors will work along to Cole Harbor, thence to Lawrencetown on to Musquodoboit Harbor, and then up the Musquodoboit River. The second party is in charge of J. J. Taylor, C. E., of Truro, N. S., and they have commenced work at Guysboro. From that place they will follow along the Salmon River, and come out at Cross Roads, Country Harbor. The third party is in charge of W. A. Hendry, of Halifax, and these surveyors will examine the various routes, starting at Sunny Brae, Pictou County. This party will proceed down the St. Mary's River to connect with the second party at Cross Roads. The surveys are under the direction of R. McColl, Provincial Engr., Halifax, N. S.

OKLAHOMA EMPIRE.—Incorporated with offices at Granite, Okla.; Kansas City, Mo.; Jersey City, N. J., and New York City, N. Y., to build a line 500 miles long from a point in Osage Indian Reservation to a point on the west line of Greer County, at an estimated cost of $25,000,000. Capitalization, $15,000,000. The incorporators are: Thomas Eggleston, H. S. Christian, P. F. Slaton and R. F. Paschall, all of Granite.

PACIFIC & EASTERN.—This company has been incorporated in Oregon to build a road from Crater Lake, in Klamath County, southwesterly to the Blue Ledge copper mines, in Siskiyou County, Cal., about 100 miles. The Rogue River Valley, a narrow-gage road in operation from Medford, on the Southern Pacific, north to Jacksonville, six miles, with several miles more constructed, is to form a part of this line. The capital stock of the new company is $1,000,000. Dr. S. W. Stryker and Alexander Sweek, of Portland, Ore., are directors. 90-lb. steel rails will be used. The officers are soon to be elected. George Estes, of Portland, is Mgr.

SALISBURY STEEL & IRON CO.—It is officially announced that the Salisbury Steel & Iron Co. has decided to build a railroad extension five miles in length to connect its property with Dolgeville, N. Y., where the terminus of a spur belonging to the New York Central ends. The New York Central now owns the control of the Little Falls & Dolgeville, which brings the Central within five miles of Salisbury, N. Y., where the iron mines are located.

SAVANNAH & SOUTHWESTERN. — The Railroad Construction & Finance Co., of Savannah, Ga., is reported organized with $500,000 capital to build the proposed Savannah & Southwestern Railway. The officers are: Pres., J. H. H. Entellman, Savannah; Vice-Pres., H. R. Brown, Macon; Treas., M. A. Obrye, Savannah; Secy., D. G. Purse, Savannah. Noted last week.

SOUTHWESTERN.—Edward S. Hughes, Pres., Abilene, Tex., states that 22 miles will be built at once. W. S. James, Henrietta, Tex., is Engr. Henry James Scott, Toronto, Ont., and D. T. Bomar, Fort Worth, Tex., are Vice-Presidents; J. B. Stokes, of Baird, Tex., Secy.; Henry James, of Abilene, Tex., Treas. Noted on April 18.

SOUTH TEXAS & GULF. — George W. Drumheller, Ch. Engr., Carrizo Springs, Tex., advises us that surveys are now being made. Right-of-way and capital for construction are secured. This railroad will run from a point near Artesia, Tex., on the International & Great Northern R. R., northwest 40 miles. Date for letting contracts is not decided yet. A. M. McElwee is Pres., Fort Worth, Tex. Noted on March 7.

SUPERIOR STEEL CO.—This company has been organized to build a concentrating plant at Sault Ste. Marie, Ont., and also to build a railway five miles long from the Algoma Central to the Superior mines. Contracts for this work will be let on June 13. George Kemp, F. C. Smith and others, of Sault Ste. Marie, Mich., are interested.

TEXAS.—Concerning the proposed railroad from Tyler to Canton, Tex., Ben. B. Cain, Pres. of the Texas Right-of-Way Co., Tyler, informs us that "this company has been chartered and has surveyed a line from Tyler to Canton, and is now procuring right-of-way, depot grounds and donations, preparatory to the organization of a railroad company, to be known as the People's Railroad. The company's plan is to have the citizens residing along this line subscribe to the capital stock, to a sufficient extent to begin construction, and probably build from ten to 20 miles, and using this constructed road as a basis, finance the balance of the line. The road from Tyler to Canton will be one section of an air line from Dallas to New Orleans, which line will doubtless be built as soon as the railroad situation shall have adjusted itself. The section from Tyler to Canton can be cheaply constructed, so far as grading and bridges are concerned, and traverses a territory which will pay well from the beginning. Joe J. White, of Tyler, is Ch. Engr. The surveyed line from Tyler to Canton is 38½ miles. Contracts will not be let until after the railroad company shall have been organized, and sufficient stock subscribed to insure the building of at least 20 miles of road."

ELECTRIC RAILWAYS.

GREAT BARRINGTON, MASS.—The Berkshire St. Ry. Co. will let contracts soon for building the extension from Great Barrington to Canaan, Conn. Henry Gough is Ch. Engr., at Pittsfield.

NEW BRITAIN, CONN.—It is announced that the Consolidated Ry. Co. will spend $200,000 in improving its lines in the New Britain district. A part of the amount will be spent in the construction of extensions and the remainder in double-tracking operation and in new equipment. It is possible that an additional interurban line between New Britain and Hartford, by way of Elmwood, will be included in the scheme of improvements, but this is not definitely decided upon. The company will shortly submit to the Court of Common Council the detailed plans of its proposed betterments and will ask for the necessary local franchises to carry out its project. Calvert Townley is First Vice-Pres., New Haven, Conn.

OLEAN, N. Y.—We are officially advised that the Western New York & Pennsylvania Traction Co., general office at Olean, N. Y., will build during the coming summer an extension of nine miles from Bradford, Pa., to Carrolton, N. Y., also an extension of ten miles from Salamanca, N. Y., to Little Valley, N. Y. Surveys are being made for proposed extension of about eleven miles from Stateline to Eldred, Pa. I. W. Miller is Supt.

CORTLAND, N. Y.—The Cortland County Traction Co. has obtained authority from the State Railroad Commission to increase its capital stock for the purpose of making extensions of its system, including the laying of a double track between Cortland and Syracuse. The company's plans for construction, as described in its petition to the Commission, also provide for laying three miles of double track in Syracuse and two miles of track in Cortland. The company secures permission to issue a first and refunding mortgage for $2,000,000 and to increase its capital stock from $320,000 to $1,000,000. After retiring outstanding bonds, it is stated, it will use the proceeds for the building of the line to Syracuse. Edwin Duffey is Treas. and Mgr.

GREENSBURG, PA.—The West Penn Railways Co. has awarded a contract to the CROSSAN CONSTRUCTION CO., of Uniontown, Pa., for the construction of five miles of new line from Orient to Brownsville, Pa., at about $100,000. Work will be started next week. W. E. Moore is Gen Mgr., Connellsville, Pa.

MONTROSE, PA.—An electric railway will be built from Montrose to Wyalusing through the Wyalusing Valley by the Wyalusing Valley Ry. Co. T. J. Davies, M. S. Allen, J. S. Courtright and W. D. B. Ainey, of Scranton, are interested.

CLARKS SUMMIT, PA.—A charter has been granted by the State to the Clark's Summit & Lake Winola Street Ry. Co., for a term of 99 years. The capital stock is $48,000. Thomas B. Rodham is Pres. The directors are William L. Allen, J. D. Kentor, C. A. Keller and Frank P. Benjamin. The line will be eight miles long, extending from Clarks Summit to Lake Winola.

LEBANON, PA.—The Lebanon Valley Street Railway Co. plans to extend its system from Avon to Schaefferstown, a distance of six miles. C. H. Smith is Supt.

CORINTH, MISS.—Mark T. Bynum, Secy. of the Corinth & Shiloh Electric Ry. Co., informs us that this company will let contracts soon for building its line, which will be 18 miles long. It will extend from Corinth to Shiloh National Park on the Tennessee River. Abe Rubel is Pres. and W. J. Lamb, Vice-Pres., at Corinth. Right-of-way is secured and survey has been made. The company has secured permission to enter the Park.

ASHEVILLE, N. C.—The Swannanoa Electric Railway Co., of Black Mountain, N. C., has been chartered to build a street or suburban railway from Asheville to Swannanoa Station, Black Mountain, Montreat and other places in the Swannanoa [illegible] long. The incorporators [illegible] wether, Ed. S. Caldwell, P. [illegible] L. Barbee, J. M. Chiles and G. H. Holmes, Tryon, N. C.

ENSLEY, ALA.—The C[illegible] granted a franchise to H[illegible] Walker, B. R. Pegram and [illegible] erate a street railway f[illegible] part of the city to the E[illegible] lands property. Work is [illegible] proposed road in six month[illegible]

YOUNGSTOWN, OHIO.—[illegible] Pres. of the Lake Erie & [illegible] Co., Youngstown, advises [illegible] is now negotiating for capit[illegible] ing this line. It will be [illegible] will extend from Youngstow[illegible] Ohio. Surveys are made and [illegible] obtained. George Tod, Jr., [illegible]

FREMONT, OHIO.—The [illegible] mont & Southern Ry. Co. h[illegible] ated with $10,000 capital. Th[illegible] extension of the Toledo, Port [illegible] side Ry. It will run from a p[illegible] way near Oak Harbor, and p[illegible] tawa, Sandusky and Seneca [illegible] secting Fremont and ending [illegible] company has already secure[illegible] for a belt line at Fremont, [illegible] cemeteries, ball park and o[illegible] that city, and the fact that the [illegible] mont and Fostoria have alre[illegible] for about $75,000 worth of [illegible] that the project has excellent [illegible] At Tiffin the new road will [illegible] other interurban roads extend[illegible] interior. The new company [illegible] corporated by H. F. Shunk, [illegible] Theo. Schmitt, who are official[illegible] ledo, Port Clinton & Lakeside [illegible] iam Miller and George W. Lu[illegible] Toledo.

MONROE, MICH.—Harry C. [illegible] of Detroit, representing John B. [illegible] ry Boland and Alexander McPh[illegible] before the Merchant's and Manufacturers Association recently in the interests of a proposed electric railway. He said the intention was to construct a line from Monroe to Dundee, a distance of 15 miles. A franchise in that town and seven miles of right-of-way have been obtained. Monroe is asked to get the right of way for the remaining seven miles, grant franchise on Monroe and Front Sts. and give the company the old power house which is now occupied by a canning factory, allowing three years for the completion of the line. The request was referred to the council.

MENOMINEE, MICH.—O. Johnson, of Oshkosh, Wis., Mgr. of the Hydro-Electric Water Power Co., plans to establish a power plant on the Peshtigo River and to obtain a franchise from this city and Marinette to construct an interurban line through Menominee and Marinette Counties. The company has a capital of $2,000,000. Power will be transmitted to Green Bay, Appleton, Neenah, Menasha and Oshkosh.

ROCKFORD, ILL.—The Rockford, Oregon & Southern Railway Co. has been incorporated to construct a railroad from Rockford, Winnebago County, through the counties of Winnebago, Ogle and Lee to Tyron, Lee County. The principal office is to be in Oregon. Capital stock, $10,000. The incorporators and first board of directors are Frederick G. Jones, Charles B. Etnyre and Arthur F. Herbert, all of Oregon, and Louis R. Wachsmuth and Fred. E. Wachsmuth, both of Chicago.

DAVENPORT, IOWA.—We are officially advised that the Davenport & Dubuque Interurban Ry. Co. will build a line which will pass through the counties of Scott, Clinton, Jackson and Dubuque and touch Davenport, Mount Joy, Eldridge, Long Grove, Cadda, Grand Mound, Bliedorn, Elwood, Maquoketa, Hurstville, Andrew, Cottonville, Lamott, Ludville and Dubuque. Length 80 miles. Complete permanent location has been made. About 75% of the right-of-way is now under contract. Negotiations for the money for construction is now being carried on. Contracts probably will be let some time this summer. This is not yet incorporated, and all property is held by A. Hurst, O. McCaffrey and H. M. Tracy, of Maquoketa, Iowa, trustees. The motive power will be electricity. S. F. Moore, Whitaker Bldg., Davenport, is Engr.

MINNEAPOLIS, MINN.—W. H. Crossland, Vice-Pres. of the Twin City & Lake Superior Ry. Co., Minneapolis, states that this company, whose incorporation was noted under Railways on May 16, will build a double-track third-rail electric line from Minneapolis and St. Paul, Minn., to Duluth, Minn., and Superior, Wis., 130 miles, of which 91 are in Minnesota and 39 in Wisconsin. The road will be practically an air line and will intersect no present towns or villages. Surveys have been made and grading is to begin on June 1. No general contracts are to be let. The road is to handle both freight and passengers. Maximum grade, 0.5%; maximum curvature, 1½°; weight of rail 70 lbs. About 4,500 ft. of steel will be required for the five principal bridges, although the company is not at present in the market for equipment. E. W. Farnham of Chicago is Pres.; J. H. Thomas, Minneapolis, is Ch. Engr. Headquarters, 345 Railway Bldg., Minneapolis.

ROSEDALE, KAN.—The Kansas City & Olathe Electric Railroad Co. has been incorporated with a capital of $175,000. Headquarters, Rosedale. The company is empowered to build a railroad from Rosedale to Olathe, a distance of 20 miles, through Wyandotte and Johnson Counties and to use steam, electricity or gasoline as a motive power. The incorporators are: David B. Johnson, R. V. Larson, of Johnson County, Kas.; George Holsinger, of Wyandotte County, Kan.; James A. Stewart, E. P. Dickson and R. W. Hocker, of Jackson County, Mo. The company has applied to the Wyandotte County Commissioners for a 35-year franchise.

HELENA, MONT.—The Helena Light & Ry. Co. plans to build several extensions in this city. C. E. A. Carr is Mgr.

JEFFERSON CITY, MO.—Application for a charter has been filed in Jefferson City and Topeka, Kan., by the Joplin & Pittsburg Railroad Co. for the permission to build and operate an electric railway in Southwest Missouri and Eastern Kansas. The company is capitalized at $5,000,000, of which $2,600,000 is paid in. J. J. Heim, American Bank Bldg., Kansas City, is the promoter. The proposed electric line will connect Joplin and Webb City, Mo., extending to Baxter Springs, Pittsburg, Kan., and Quapaw Indian Reservation. The Pittsburg Ry. & Light Co., extending from Pittsburg to Columbus, Kan., is said to be absorbed by the new company, which will also operate the new street railway system now under construction in Joplin.

RUSSELLVILLE, ARK.—The Southern Engineering Co., Pine Bluff, Ark., has been granted a 50-year franchise in Russellville for an electric railway and for a light and power plant. Adam J. Robinson, of Pine Bluff, is Pres.; J. C. Wilson, St. Louis, is Secy.

ENGLEWOOD, COLO.—Contract is reported to have been let to JOSEPH A. OSNER, 227 Broadway, Denver, for building an electric line from Englewood, Colo., south via Littleton to Roxborough Park, about 15 miles. The project is being financed by H. W. Hartman, T. B. Doane and other Denver capitalists.

SPOKANE, WASH.—The Panhandle Electric Railway & Power Co., with capital stock of $1,000,000, has been incorporated to do a general electrical railway business and furnish power along a route which is not made known. The stockholders are Thomas W. Payne, of Detroit, Mich.; Andrew Coolin, of Priest River, Idaho; John R. Jones, of Hillyard, Wash.; Amasa J. Smith and Harry H. Wallace, of Spokane.

EUGENE, ORE.—The Eugene Eastern Railway Co. has been incorporated with a capital of $1,000,000 to build an electric railway from this place to Springfield and thence along the McKenzie River to Princeville. E. Welch, E. A. Hall, of the Willimette Valley Co., and a number of others are incorporators.

PORTLAND, ORE.—The Rainier Electric Co. has been organized, with a capital stock of $25,000, to build an electric line from Portland to Rainier. The principal offices of the corporation will be at Portland. The incorporators are Alex. Sweek, Carleton Lewis and W. C. Morris, all of Portland.

MARSHFIELD, ORE.—Seymour H. Bell, of Marshfield, advises us that the Coos Bay Gas & Electric Co., of which he is an incorporator, will build a 6-mile line to Empire and North Bend. Surveys are made and right-of-way and capital are secured. The company will do its own construction. Henry Hewitt, Jr., of Tacoma, Wash., is Pres.; Ed. Riggs, of Marshfield, is Ch. Engr.

SAN DIEGO, CAL.—We are officially informed that the San Diego Electric Ry. Co.'s new projects are as follows: "Company is at present building the Adams Ave. extension of two miles, and will shortly begin construction of University Ave. extension, being also about two miles. The extension of Third St. is about completed. The Ocean Beach line is indefinite, and probably will not be constructed this year. The franchise is held by a real estate company in San Diego; we are merely to operate the road. We expect to operate over nine miles of the N. C. & O. railway steam road between San Diego and Chula Vista inside of 90 days. We are building cars for this line at our National City shops. We are also building nine cars in our San Diego shops for local service. We have just finished installation of a 252-HP. Cahall boiler, and two 500-KW. Parsons turbo generators, also have one 1,000-KW. Parsons turbo-generator in operation. We have just finished an addition to our power house for a paint shop having a capacity of nine cars. We have recently applied for a franchise on B St. from the water front to 14th St., particularly to serve the High School. We have also made application for a franchise on H St., from 8th to 25th. Both these lines will be constructed this year if the franchises are secured in time. We are not building car storage yards, as we have no property on which to build same." B. M. Warner is Gen. Supt.

SANTA ANA, CAL.—The Port Orange & Santa Ana Ry. Co. has been organized to build an electric railway from Santa Ana to Newport Bay with terminal at a new city to be called Port Orange. The incorporators of the company are Frank F. Johnson, Walter G. Hopkins, A. F. Lijeal, Joseph M. Fletcher, Eugene Germain, Marc L. Germain, C. L. Fredericks, Harry P. Vandeveer and G. H. McCarthy, of Los Angeles. The capital stock is $500,000 and the amount subscribed is $50,000. It will be a standard-gage electric line.

LIGHT AND POWER PLANTS.

CLAREMONT, N. H.—Contracts will be let at once for extending the power plant of the Claremont Railway & Lighting Co. A 1,000-HP. engine and a 600-KW. generator will be installed and a 11,000-volt transmission line, 17 miles in length, will be constructed. I. N. Wheelock is Mgr.

PORTSMOUTH, N. H.—The bids received June 1, at the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for power plant apparatus for the Navy Yard, Portsmouth, were as follows: The Green Fuel Economizer Co., Matteawan, N. Y., item 1, $13,938; item 2, $12,593, $11,461; C. L. De Muralt, 114 Liberty St., New York, N. Y., item 1, $14,798, item 2, $14,506; Conners Bros. Co., 157 Plain St., Lowell, Mass., item 2, $18,300; item 2, $16,800.

NEW YORK, N. Y.—Bids were received June 1, at the Bureau of Yards and Docks, Navy Dept., Washington, for furnishing two generator sets and accessories, Navy Yard, New York, as follows: Northern Electrical Mfg. Co., Madison, Wis., item 2, $11,900; General Electric Co., Schenectady, N. Y., item 1, $10,650; Westinghouse Electric & Mfg. Co., Continental Trust Bldg., Baltimore, Md., item 1, $11,495.

NIAGARA FALLS, N. Y.—Bids are asked until noon, June 21, by Edward H. Perry, Supt. State Reservation, Niagara Falls, for outside lighting system at the reservation. G. L. Hein is State Arch., Capitol, Albany, N. Y. (Advertised, Engineering News.)

MADISON BARRACKS (Sacketts Harbor post-office), N. Y.—We are officially advised that the following bids were received June 1 for installing electric lighting system at Madison Barracks, (a) wiring buildings, (b) furnishing fixtures, (c) constructing pole line, (d) furnishing apparatus, (e) constructing sub-station: Edward Joy, (a) $11,484, (b) $7,499, (c) $5,489, (d) $4,640; Kraushaar Brass Mfg. Co., (b) $6,850; Columbus Gas Fixture Co., (b) $9,486; J. J. Gilgan, (a) $9,569, (e) $2,450; Wheeler-Green Electric Co., (a) $9,211, (b) $6,794, (c) $5,995, (d) $3,695, (e) $1,500. George E. Lamb is Engr., Madison Barracks.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 17, by C. B. J. Snyder, Supt. School Bldgs., for installing electric equipment in the office and storage building for the Board of Education on north side of Livingston St., Boro. of Brooklyn; and for repairs, alterations and additions to the electric bell system in Public School No. 159, 119th St., between Second and Third Aves., Boro. of Manhattan.

NEW YORK, N. Y.—The bids received on June 3, by C. B. J. Snyder, Supt. School Bldgs., for installing electric equipment in new Public School No. 152, on south side of Ave. G, between East 23d and East 24th Sts., Boro. of Brooklyn, were as follows: Griffin & Company, 150 Nassau St., $11,569; Commercial Construction Co., 1 Madison Ave., $11,335; Gore, Duggan Electrical Co., 280 Broadway, $12,225.

The bids received for installing electric equipment in new Public School No. 12, on corner of Madison and Jackson Sts., Boro. of Manhattan, were: Peet & Powers, 225 Fourth Ave., $18,572; Griffin & Co., 150 Nassau St., $17,989; Gore, Duggan Electrical Co., 280 Broadway, $19,609; Reis & O'Donovan, 1123 Broadway, $17,940.

The bids received for installing electric equipment in addition to and alterations in Public School No. 39, on State St. and Roanoke Ave., Far Rockaway, Boro. of Queens, were: Gore, Duggan Electrical Co., 280 Broadway, $5,444; Griffin & Co., 150 Nassau St., $4,483; L. F. Benn, 725 Broadway, $5,320; B. B. Johnston, New York, $4,996.

MECHANICSVILLE, N. J.—The HUDSON VALLEY CONSTRUCTION CO., Times Bldg., Troy, has been awarded a second contract by the Delaware & Hudson Co. The new contract includes construction of two brick buildings adjoining each other, 75 ft. high and about 180 × 180 ft. in dimensions, for a power house, engine and boiler buildings. The contract includes setting eight Sterling boilers. Steam turbines will be used for operating electric generators. The floors of the buildings will be concrete and the roofs composition. J. G. White & Co., 43 Exchange Pl., New York, prepared the plans. The work on the second contract will be proceeded with as soon as the first is completed. A. Eckstrom, Albany, is Consult. Electrical Engr., D. & H. Co.

MORRISTOWN, N. J.—The Board of Aldermen awarded contract on May 22 to PETER V. STRYKER, of Bernardsville, N. J., for lighting the streets of Morristown.

PATERSON, N. J.—The Board of Works has awarded contract to the PUBLIC SERVICE CORPORATION to furnish arc lamps for street lighting at $77.50 per lamp per year, and to light all public buildings at a flat rate of 8 cts. per KW. The contract is to go into force on July 1, 1907, and to run for seven years from that date. W. M. Brock, Paterson, is Supt. Public Service Corporation.

FREDERICKSBURG, VA.—W. H. Trafford, of Richmond, has prepared plans for an electric light plant, which will cost about $40,000. E. W. Mills, Chn. Com.; S. E. Eastburn is City Clk.

CHARLESTON, W. VA.—The Capital City Gas Co. has secured right-of-way for mains to be laid from wells in the gas field to Charleston and work will begin at once.

YORKVILLE, S. C.—It is reported that a power dam about 40 ft. high will be built across Broad River at Lindsay Shoals. Elias Inman and William Walker are interested.

TOLEDO, OHIO.—The State Board of Charities has approved plans prepared for erecting a power and heating plant at the county infirmary. Estimated cost, $27,000.

HAMILTON, OHIO.—The Board of Public Service on May 25 awarded the following contracts in connection with the improvement of the city electric light plant: To GENERAL ELECTRIC CO., Schenectady, N. Y., one 500-KW. turbine generator, $16,606; city arc lighting, including 310 incandescent street lamps, $11,865, and switchboard, $2,681; to the WESTINGHOUSE MACHINE CO., Westinghouse Bldg., Pittsburg, Pa., one 500-KW. generator, $17,500; HENRY R. WORTHINGTON, 114 Liberty St., and LAIDLAW-DUNN-GORDON, 114 Liberty St., New York, N. Y., two condensers, $3,400; FORT WAYNE ELECTRICAL CO., Ft. Wayne, Ind., wires, $3,477, and the BISSELL CO., Toledo, poles, $1,825.

COLUMBUS, OHIO.—Bids are asked until June 7, by A. B. Critchfull, for machinery and for rewiring for the new lighting plant to be installed in the State House, at a cost of about $12,000.

FORT WAYNE, IND.—Bids are asked until 3 p. m., June 24, by the Board of Public Works for constructing a municipal electric light plant. Owen Ford, Security Bldg., St. Louis, Mo., is Consult. Engr. (Advertised, Engineering News.)

BLOOMINGTON, ILL.—The City Council Light Committee has been instructed by the Council to advertise for bids at once for rebuilding the municipal lighting plant. The estimated cost of new arc lamps, generators and engines is $25,000. Edward Holland is Mayor.

HATFIELD, WIS.—The La Crosse Water Power Co., capitalized at $5,000,000, has awarded to the GENERAL ELECTRIC CO., of Schenectady, N. Y., contract for electrical work connected with its plant, to be erected at Hatfield, at about $125,000. The contract includes two 4,000-HP. generators and two 250-HP. wheels for the exciter in the power-house. These will be driven by water wheels which will be furnished by the S. MORGAN-SMITH CO., of York, Pa. They will be directly connected, no belting being used. The electrical contract includes the transformers for the sub-stations to be located at La Crosse and Winona, with all necessary lightning arresters and high-tension switches. The work will be completed Dec. 1, 1907. W. J. Ferris, La Crosse, is Pres. and Mgr.

CANTRIL, IOWA.—Bids will be received in about 90 days for constructing the proposed electric light plant at Cantril. Estimated cost, $8,000. E. E. McKee, Cantril, is Engr.

TOPEKA, KAN.—Bids are asked until June 8 by the Secretary, State Board of Control for furnishing material and erecting a Tubercula Pavilion at the State Hospital; also furnishing, delivering and setting a direct-connected engine and generator, the latter to be 2,200 volt A. C.; also a pole line, a motor and a 1,000,000-gallon pump. J. F. Stanton is Arch., 112 East Fifth St., Topeka.

OMAHA, NEB.—Bids are asked by Maj. Thomas Cruse, Ch. Q. M., Fort Omaha, until 10 a. m., July 1, for removal of the present heating system in the Commanding Officers Quarters at Fort Omaha, and installing therein a new steam heating system, including all necessary alterations to the building.

JACKSON, MO.—Bids are asked by William Paar, City Clerk, until 7.30 p. m., July 9, for complete water and light plant. Hiram Phillips, Consult. Engr., Frisco Bldg., St. Louis. (Advertised, Engineering News.)

SIOUX FALLS, S. DAK.—The Directors of the Sioux Falls Light & Power Co. have awarded contracts to the H. M. BILSBY CO., of Chicago, for improvements to their water power arrangements. The plans call for expenditure of about $150,000 the present year. The following figures represent the engineer's estimate for the cost of the improvements which will be put in during this season: Retaining wall and dam, $38,000; power-house building, $18,000; flumes, etc., $10,500; power house equipment, $35,000; other expenses, $30,000. The company will furnish energy for the business portion of the city. The first work to be done on improving the water power will be installation of a new dam and retaining wall. Work on this will be started as soon as the City Council gives its consent, an ordinance granting the request being now in the hands of the council. The engineer estimates that it will take nine months to complete this part of the improvements. J. J. Bennett, Sioux Falls, is Pres.

FORT WORDEN (Port Townsend post-office), WASH.—Bids are asked by Lieut. C. C. Burt, Q. M., until 11 a. m., June 15, for installing fixtures, wiring buildings, making changes in present wiring, making service connections, furnishing watt meters and installing watt meters in buildings for electric lighting.

LOS ANGELES, CAL.—The following bids for the proposed steam-electric power plant to be constructed at Division Creek for the Los Angeles aqueduct were received by the Board of Public Works May 20: Charles C. Moore & Co., Engineers' Trust Building, Los Angeles, for four Stirling water tube boilers of 5,000 and 2,500 sq. ft. heating surface, respectively, $20,075; alternate proposal for the Cross compound condensing Corliss engines, $86,500. Hunt, Mirk & Co. for two steam turbine sets, circulating pump and exciter, $57,801. The D'Oler Engineering Co., for the water tube boilers, $22,270; for the steam turbine sets, $56,134. The General Electric Co., for the steam turbine sets, $65,200. Pacific Coast Mfg. Co., to build the water tube boilers, $19,550, and the Cross compound condensing Corliss engines, $61,983. The Standard Engineering Corporation, to build the water tube boilers, $21,469.35.

SAN RAFAEL, CAL.—The San Rafael Gas & Electric Co. has decided to construct a gas holder in San Rafael, to supply gas in Ross Valley, Mill Valley and Sausalito.

CRESCENT CITY, CAL.—The Crescent City Light, Water & Power Co. is making preparations to install a plant near the mouth of Craigs Creek, emptying into the south fork of Smith River several miles above its mouth. A concrete dam will be placed in the creek, which will provide power for operating an electric light plant. J. W. Manley, Crescent City, is Supt.

BERKELEY, CAL.—The Berkeley Electric Lighting Co. will make extensive improvements soon in Berkeley, including erection of a $150,000 electric substation at the corner of McGee St. and Hearst Ave.; the removal of the high voltage power lines from Grove St. and the substation in Shattuck Ave. from Bancroft Way to University Ave. of underground conduits in place of aerial cables now used. The new substation will cover nearly the entire block. A 250-KW. motor generating plant will be put in. John H. Pape, Berkeley, is Supt.

MORDEN, MAN.—We are officially advised that a by-law was passed on May 20 for raising the sum of $25,000 for installing a municipal electric lighting plant and distribution system. Plans and specifications are being prepared by Cecil Goddard, Consult. Engr., Winnipeg, Man., and bids will be called for in a few weeks.

REVELSTOKE, B. C.—We are officially advised that the City of Revelstoke will install a gas producer plant as an auxiliary to its present hydro-electric plant for power purposes. The whole of the present system will be rearranged and new dynamos, etc., installed, and bids called for in about three weeks. Cecil Goddard, Winnipeg, Man., is Engr.

BRIDGES.

MORRISVILLE, VT.—The contract for constructing two bridges on road to Cady's Falls has been let to THE UNITED CONSTRUCTION CO., 407 Broadway, Albany, N. Y., at $10,500.

NEWPORT, VT.—The Memphremagog Yacht Club will probably construct steel bridge.

NEW HAVEN, CONN.—The Board of Public Works has let contract for constructing Humphrey St. girder bridge across Mill River for $26,904. The bridge will be constructed of reinforced concrete, 85 ft. long, 60 ft. wide and with three spans. C. W. Kelly is City Engr.

BROOKLYN, N. Y.—See under Miscellaneous, Removing Columns.

NEW YORK, N. Y.—Bids were received May 31 by James W. Stevenson, Comr. Dept. of Bridges, for furnishing and delivering steel shapes, plates, clips, bolts, rivets and washers for the Brooklyn Bridge as follows: Casper Evans Co., 220 Broadway, New York, $32,367, and Snare & Triest, 143 Liberty St., $29,147.

POINT MARION, PA.—The following bids were received by the Fayette County Commissioners for construction of bridge across Monongahela River at this place: York Bridge Co., $119,995; John T. Whittaker, $121,078; American Bridge Co., 42 Broadway, N. Y., $126,250; Oswego Bridge Co., $129,141, and the A. H. Nelson Bridge Co., $130,200. The estimate of the commissioners was between $70,000 and $75,000. The U. S. Engineers refused to allow such a bridge as called for in the original plans to be built, they having insisted that the bridge be built 45 ft. above low water, which makes the bridge 187 ft. longer than originally proposed. It is probable that the above bids will be rejected, revised plans drawn and new bids asked for. The bridge will be constructed of structural steel and concrete.

READING, PA.—The County Commissioners have let contract to WILLAUER & CO., of Pottstown, Pa., for constructing ironstone bridge across Ironstone Creek in Douglass Township, at $3,020. The bids received for constructing Kershner's bridge were rejected and new bids are asked for.

YORK, PA.—THE YORK BRIDGE CO. has secured contract to erect steel bridge across west branch of Codorus Creek, between North Hopewell and Springfield Townships.

WASHINGTON, PA.—Bids are asked by the County Commissioners, H. R. Campbell, Ch. Clk., until noon, June 20, for constructing bridges. Wm. Wylie is County Engr.

FRACKVILLE, PA.—Bids are asked by J. F. Carr, Town Clk., until noon, July 1, for excavating and grading Spring St. under tracks of the Philadelphia & Reading Ry., and constructing two concrete abutments and steel bridge, composed of four riveted girders, under the railroad tracks. A. B. Cochran & Son, Pottsville, Pa., are Engrs. (Advertised, Engineering News.)

WASHINGTON, D. C.—Bids were received June 1 by the District Commissioners for removal and purchase of bridge over Rock Creek, Washington. The following bidders will pay the stated amounts to the District in addition to removing bridge: Ben. Einstein, Washington, D. C., $1,308; Lewis Hopfanmaier, Washington, $1,026; T. Edward Clark, Washington, $475; Geo. W. Mater, Washington, $900; Cook, Bernheimer & Co., Washington, $777; William Winston, Washington, D. C., $50.

NORFOLK, VA.—THE McLEAN CONSTRUCTION CO., Baltimore, Md., has secured contract to build 5-mile bridge over Albermarle Sound, on the Norfolk & Southern R. R., at about $2,000,000. The bridge will be equipped with two steel draws.

HALLADAY, VA.—The Bridge Commissioners of Spottsylvania and Loudoun Counties have let contract for constructing steel bridge to the CHAMPION BRIDGE CO., of Chattanooga, Tenn.

GRAFTON, W. VA.—The city, Taylor County and Grafton Traction Co. are considering construction of bridge.

WHEELING, W. VA.—H. L. Emerson, Engr., 138 Washington St., Wheeling, is preparing plans for constructing two reinforced concrete bridges for the Town Commissioners.

YORKVILLE, S. C.—The ROANOKE BRIDGE CO., Roanoke, Va., has secured contract for constructing steel wagon bridge.

NASHVILLE, TENN.—Bids are asked by the Cumberland River Bridge Committee of Davidson County, Tennessee County Court, until noon, July 10, for bridge work. For approximate quantities of work, see advertisement. James K. Rains is Chn.; Howard M. Jones is Engr. (Advertised, Engineering News.)

OWENSBORO, KY.—The Osborn Engineering Co., Cleveland, Ohio, has been engaged as Consulting Engineers to prepare plans for constructing bridge over Ohio River and to make surveys for about twelve miles of railroad between Owensboro, Ky., and Rockport, Ind., for the Owensboro & Rockport Bridge & Terminal Co., of Owensboro.

COLUMBUS, OHIO.—Bids are asked by the County Commissioners until noon, June 24, for constructing approaches, etc., for various bridges. W. C. Cussins is County Audr.

COLUMBUS, OHIO.—The COLUMBUS IRON & BRIDGE CO. has been awarded contract for constructing 400-ft. steel bridge Olenlangy River for Franklin County, at $3,634. H. A. Maetzel is Engr.

CELINA, OHIO.—Bids are asked by the County Auditor until 10 A. M., June 15, for constructing bridges and culverts.

MARIETTA, OHIO.—Bids are asked by J. M. Williams, County Audr., until noon, June 11, for furnishing materials and constructing superstructures and repairing substructures of five bridges, also for construction of one new bridge, including substructure.

ELYRIA, OHIO.—The Board of Public Service has let contracts for constructing two stone bridges, one across east branch of Black River, at Fourth St., and one at Broad St., as follows: Fourth St., JOHN BERG, Oberlin, Ohio; Broad St., MR. MACWARDELL, Strasburg, Ohio. Estimated cost, $100,000. Rose Moriarity, is Clk. Bd. Pub. Service.

JEFFERSONVILLE, OHIO.—Bids are asked by the County Auditor until June 11, for furnishing material and constructing west abutment of bridge over Ashtabula Creek.

GREENVILLE, OHIO.—Bids are asked by the Board of Public Service, D. L. Matchette, Clk., until noon, June 20, for construction of bridge either of steel or reinforced concrete construction over Greenville Creek, at Broadway. Chas. S. Slade is City Engr.

UPPER SANDUSKY, OHIO.—The Board of County Commissioners has let contracts for bridge work as follows: Superstructure for Keller bridge, CENTRAL CONCRETE & CONSTRUCTION CO., Canton, Ohio, $3,900; Keller bridge abutment, WILLIAM HUGHEY, Nevada, Ohio, $1,546; best bridge abutment, F. T. WELLS, Findlay, Ohio, $1,161. J. N. Traxter is County Audr.

CLEVELAND, OHIO.—Bids are asked by the Board of Public Service, A. R. Callow, Secy., until noon, June 14, for constructing substructure of viaduct on Kinswan Road, S. E., over the Pennsylvania R. R. tracks. W. J. Carter is City Engr.

ANDERSON, IND.—The County Commissioners have let contracts to the ANDERSON BRIDGE & SCRAPER CO., for constructing five bridges.

FRANKFORT, IND.—Bids are asked by the County Commissioners until 2 P. M., June 10, for constructing bridges and culverts. C. F. Cromwell is County Audr. W. A. Irwin is Engr.

NEWCASTLE, IND.—The PAN-AMERICAN BRIDGE CO., Newcastle, has been awarded contract amounting to about $17,500 for constructing county bridge.

RUSHVILLE, IND.—Bids are asked by the County Commissioners until 2 P. M., June 17, for construction of seven bridges and repairing of two others.

The County Commissioners have awarded contract for construction of bridge at Harlan Ford to the GREENFIELD BRIDGE & SEWER CO., for $27,900.

GRAND RAPIDS, MICH.—Bids are asked by the Board of Public Works, Samuel A. Freshney, Secy. and Gen. Mgr., until 8 p. m., June 20, for constructing superstructure for steel bridge across Grand River at Ann St. L. W. Anderson is City Engr.

HANOVER, ILL.—H. L. Emerson, Engr., 138 Washington St., Chicago, is preparing plans for constructing 40-ft. span reinforced concrete bridge for the Town Commissioners.

WATERTOWN, WIS.—Bids are asked by the Board of Public Works until June 15 for constructing 256-ft. plate girder bridge. E. B. Parsons is City Engr.

BELOIT, WIS.—The Highway Commissioners have let contract for constructing Wheeler Ave. bridge to the LAFAYETTE BRIDGE CO., at about $5,600.

FT. DODGE, IOWA.—The contract for constructing 35-ft. reinforced concrete arch has been awarded to N. M. STARCH & CO., Des Moines. H. S. Holm is County Audr.

CROOKSTON, MINN.—Bids are asked by the Board of County Commissioners until 2 p. m., June 13, for constructing pile bridge across Polk County Ditch No. 1. N. A. Hoffard is County Audr.

KINSLEY, KAN.—Contract for constructing 600-ft. steel bridge across Arkansas River has been awarded to the WICHITA CONSTRUCTION CO., Wichita, Kan.

MITCHELL, NEB.—Plans, specifications and bidding sheets for constructing bridges, etc., in connection with the North Platte Project, Neb.-Wyo., are on file at office of Engineering News, New York. Bids are asked by the U. S. Reclamation Service until June 26. (Advertised, Engineering News.)

JOPLIN, MO.—The Southwest Missouri Railway Co. recently let contract to the MIDLAND BRIDGE CO., of Kansas City, for construction of viaduct at Villa Heights.

ST. LOUIS, MO.—The Board of Public Improvements has awarded contract for construction of main span of Eighteenth St. bridge to the MISSOURI BRIDGE & IRON CO., for $61,255.

KANSAS CITY, MO.—The Park Board has let contract, at $5,953, to the MIDLAND BRIDGE CO., for constructing steel bridge.

PECOS, TEX.—Bids are asked by the County Commissioners, T. H. Beauchamp, Clk., until June 10, for constructing two wooden bridges.

DALLAS, TEX.—Contract has been awarded to the SOUTHWESTERN BRIDGE CO., of Joplin, Mo., for constructing bridges on interurban line between Sherman and Dallas, Texas. The work consists of concrete substructures with steel superstructures of plate girder spans, riveted truss spans, steel trestles and beam bridges.

HOUSTON, TEX.—Bids are asked until June 12 by the County Commissioners for constructing bridge over Cedar Bayou on the Crosby and Wallisville Road. John B. Ashe is County Audr.

HAGERMAN, N. MEX.—Bids are asked by the Board of County Commissioners, W. M. Atkinson, Chn., until July 8 for constructing metal and concrete bridge, 260 ft. long, with 16-ft. roadway, across Pecos River near Hagerman.

LAWTON, ORE.—The county bridge across Clear Creek near Lawton has been declared unsafe and Road Supervisor Dimmick has been authorized to construct new bridge.

OROVILLE, CAL.—The following bids have been received by the Supervisors for constructing bridge across Feather River: Jenkins & Wells, $91,425; Burrel Construction Co., $93,478; Midland Bridge Co., $87,960; Cotton Brothers, $96,000; PACIFIC CONSTRUCTION CO., $86,987 (awarded contract); Mevry-Burwell Co., $90,600.

PORTLAND, ORE.—Contract for three 150-ft. steel bridges has been let by the Pacific Railway & Navigation Co. to the AMERICAN BRIDGE CO., 42 Broadway, N. Y., which will build and deliver them by Aug. 1. ROBERT WAREFIELD has secured contract for erecting the structures which will cross Kilches, Wilson and Miami Rivers on main line of Tillamook. Estimated cost of structures, $60,000.

QUINCY, CAL.—The Board of County Supervisors has let contract for constructing steel bridge across middle fork of Feather River to the CANTON BRIDGE CO., at $7,758.

NAPA, CAL.—Bids are asked by the Board of Supervisors, N. W. Collins, Clk., until 10 A. M., June 11, for constructing stone bridge across creek in Chiles Canyon at Whiskey Crossing.

MOSCOW, IDAHO.—Bids are asked by the Board of County Commissioners until June 15 for erection of bridge across South Palouse Creek, one across Bear Creek at Kendrick, one across Four Mile Creek at Viola, one across Little Potlach Creek, and one across Dry Creek.

FREDERICTON, N. B.—Bids are asked by the Department of Public Works, C. H. L. Labillois, Comr., until July 8, for constructing two superstructure spans, each 252 ft. 8 ins. long, across St. John River.

TORONTO, ONT.—DICKSON BROS. have been awarded contract for erection of steel bridge over Spanish River, at $20,000.

PORTO RICO.—Steel Bridges.—See U. S. Possessions and Cuba.

BUILDINGS.

BURLINGTON, VT.—Bids are asked by James Knox Taylor, Superv. Arch., Washington, D. C., until 3 p. m., June 28, for a marble cornice at the U. S. post-office and custom-house, Burlington. (Advertised, Engineering News.)

PROVIDENCE, R. I.—The Trustees of Brown University have secured a site on College and Prospect Sts., on which it is proposed erecting the John Hay Memorial Library at a cost of $500,000. W. H. P. Faunce is Pres.

TROY, N. Y.—Joseph M. Lawler, 69 Wall St., New York, N. Y., has completed plans for the Russell Sage Mechanical and Electrical Laboratory to be erected at Rensselaer Polytechnic Institute. It is to be three to five stories high, 260 ft. long and will cost about $250,000.

NEW YORK, N. Y.—Bids are asked until 10.30 a. m., June 10, by Francis J. Lantry, Fire Comr., for furnishing all the labor and materials required for the erection and completion of a building for an engine company on Himrod St., 90 ft. from St. Nicholas Ave., Brooklyn.

Plans have been filed for a 6-story apartment house to be built at the corner of Broadway and 135th St., for Frank A. Clark, 502 West 136th St. It will front 149.11 ft. on Broadway and 100 ft. on 135th St., and will have accommodations for 48 families. It is to cost $225,000.

NEW YORK, N. Y.—The following bids were received on May 29 by John F. Ahearn, Pres. Boro. Manhattan, for the excavation, mason, carpenter, structural steel, ornamental iron, painting, hardware and other work for a public bath building to be erected on the corner of Cherry and Oliver Sts., in the Boro. of Manhattan; (a) Item 1, (b) Item 2: Luke A. Burke Sons, 25 West 42d St., (a) $129,750, (b) 20 cts.; A. L. Guidone, 1 Madison Ave., (a) $131,200, (b) 10 cts.; A. & W. Gray, Fuller Bldg., (a) $124,985, (b) $2.50; Thos. Cockerill & Son, 147 Columbus Ave., (a) $131,170, (b) $2.50; Calumet Contracting Co., 15 East 50th St., (a) $124,741, (b) $4; F. T. Nesbit Construction Co., 116 Nassau St., (a) $128,975, (b) $2.

The bids received for labor and material required for the plumbing and water supply, electric pumps and hot water heaters, etc., for the public bath building to be erected on the corner of Oliver and Cherry Sts., Boro. of Manhattan, were: Christopher Nally, 2382 Broadway, (a) $24,748, (b) 1 ct.; Bryne & Murphy, 890 Park Ave., (a) $26,900, (b) $5.

Bids are asked until 11 a. m., June 13, by Louis F. Haffen, Pres. Boro. of the Bronx, for furnishing all labor and materials required for the erection and completion of a free public bath building, to be erected on plot of land situated on the corner of Elton Ave. and 156th St., in the Boro. of the Bronx.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 17, by C. B. J. Snyder, Supt. School Bldgs., for general construction, etc., of additions to and alterations in Public School No. 75, on the corner of Evergreen Ave. and Grove St., Boro. of Brooklyn; for alterations, repairs, etc., for Public Schools Nos. 69, 77, 159, Boro. of Manhattan; for alterations, repairs, etc., for Public School No. 87, Amsterdam Ave. and 77th St., Boro. of Manhattan; for repair, electric and heating work in Public Schools Nos. 14, 15, 16, 17, 20, 23, Boro. of Richmond.

Bids are asked until 10 a. m., June 18, by Theodore A. Bingham, Police Comr., for alterations to the interior arrangement (excepting heating and ventilating system, boilers and steam piping) of the new building on the block bounded by Grand, Centre and Broome Sts. and Centre Market Pl., Boro. of Manhattan, for headquarters for the Police Department of the City of New York.

NEW YORK, N. Y.—The following bids were received June 3 by C. B. J. Snyder, Supt. School Bldgs., for general construction, etc., of new Public School No. 156, on Sutter Ave., Grafton and Barrett Sts., Boro. of Brooklyn: F. T. Nesbit Construction Co., 116 Nassau St., $454,950; Clarke & Stowe, 221 Greenpoint Ave., Brooklyn, $449,300; Charles H. Peckworth, 415 Hudson St., $452,214; John Kennedy, 208 Broadway, $493,000; Thomas Cockerill & Son, 147 Columbus Ave., $498,000; George Hildebrand, 38 Park Row, $462,400; Patrick Gallagher, 1183 Broadway, $478,396; James McArthur, 22 Ormond Pl., $509,994; John Auer & Son, 957 Broadway, Brooklyn, $451,288.

NEWARK, N. J.—Plans are being prepared by R. Napier Anderson, 63 Fifth Ave., New York, N. Y., for a 12-story hotel and theater to be erected on Broad St., at a cost of $1,000,000.

PHILADELPHIA, PA.—Cope & Stewardson, Archs., 320 Walnut St., Philadelphia, have awarded to FRED. A. HAVENS & CO., Perry Bldg., Philadelphia, contract to erect a veterinary building for the University of Pennsylvania at 39th St. and Woodland Ave. When completed the building will measure 210 × 260 ft. It will be three and two stories high. Fireproof throughout, the structure will have an exterior of red brick and limestone, with a green slate roof. On the first floor there will be a waiting room, a pharmacy, a surgeons' room and administrative offices. There will also be a room for canine clinics. In the southern half of the building there will be a large hall for house clinics. Besides hospital rooms the building will have a library and offices for members of the faculty. The cost will be about $300,000.

PITTSBURG, PA.—The Supreme Grand Lodge of the National Slavonic Society has decided to build a home in Pittsburg to cost about $125,000.

FORT MONROE, VA.—Bids are asked by Capt. R. H. C. Kelton, Constr. Q. M., until noon, June 15, for constructing steel trussed freight shed on Main Wharf, at Fort Monroe. (Advertised, Engineering News.)

CHARLOTTE, N. C.—The Charlotte Realty Co. will erect a 12-story fireproof office building to cost about $200,000. Frank P. Milburn, Washington, D. C., is Arch.

JACKSON, MISS.—A 300-room hotel, costing $400,000, will be erected at Pearl and Capitol Sts., on the site of the Hotel Norvelle, destroyed by fire. The owners are S. T. Carnes and Frank G. Jones, of Memphis, Tenn.

MEMPHIS, TENN.—Shaw & Pfeil, Archs., Tennessee Trust Bldg., have completed plans which have been accepted for reconstruction of the Equitable Bldg. at Jefferson Ave. and Main St., at a cost of about $150,000. Bids will be asked for soon.

CLEVELAND, OHIO.—Preliminary plans are being drawn by the Vorce Engineering Co. for a $1,000,000 building, which the Cleveland Gas Light & Coke Co. proposes to erect as soon as the arrangements can be completed. The building will be 16 stories high, with a tower 60 × 100, and will be of steel construction, concrete and terra cotta, with bronze trimmings and porcelain front.

Work has been started on excavation for the proposed West Side market house, and plans for the superstructure are ready for its construction. The market house is to have a frontage of 120 ft. on West 25th St. and 272 ft. on Lorain Ave. On the north and east will be a covered shed. The market house is to be 1-story high, except at the front and back, where there will be offices. A 150-ft. clock tower will be constructed at West 25th St. and Lorain Ave. Brick with granite and terra cotta will be used for the walls. The foundations will be of concrete. In the basement will be the heating apparatus and a complete cold storage plant. The interior of the market house is planned to be sanitary. It is proposed to use white glazed brick for the interior walls. The floors of the market on the street level will be of concrete and asphalt. The sheds for the outside market will be fireproof. Estimated cost, $500,000. Hubbell & Benes, Citizens' Bldg., are Archs.

INDIANAPOLIS, IND.—D H. Burnham & Co., Archs., 15 Jackson Boulevard, Chicago, have let the following contracts for a bank and office building, at Indianapolis, for the Indiana Trust Co., T. P. Frenzel, Pres.: Carpenter work, WILLIAM P. JUNGCLAUS, 825 Massachusetts Ave., Indianapolis; steam heating and plumbing, HANLEY-CASEY CO., 45 Ohio St., Chicago. The structure is to be 14 stories, 67 × 197 ft., built of brick and steel and will cost $200,000.

INDIANAPOLIS, IND.—Contracts for construction of a 14-story office and lodge hall building for the I. O. O. F. of Indiana have been awarded as follows: General contract to the BEDFORD STONE & CONSTRUCTION CO., steel work to BROWN-KETCHAM IRON WORKS CO.; heating plant to KIRKOFF BROS.; plumbing to J. A. DIGGLE; electrical equipment to SANBORN-MARSH ELECTRIC CO.

CHICAGO, ILL.—C. A. Eckstorm, Tacoma Bldg., is preparing plans for a mercantile building, to be erected at Wabash Ave. and Eldredge Court, for Robert P. Bass, 189 La Salle St., which is to be eight stories high, 42 × 165 ft., built of brick, steel and mill construction, with oak finish, composition roof, gas and electric fixtures, steam heat, water closets and washstands. Cost, $190,000.

MILWAUKEE, WIS.—Bids for constructing the proposed auditorium in Milwaukee will be received about July 1. It is reported that the building will cost about $450,000. Ferry & Clas, 419 Broadway, Milwaukee, are Archs.

SIOUX CITY, IOWA.—H. EILENBERGER & CO., 153 La Salle St., Chicago, Ill., are reported to have the contract to erect a 3-story brick and stone building at Sixth and Pierce Sts., to cost $110,000.

MINNEAPOLIS, MINN.—The general contract for construction of the freight house for the Wisconsin Central Ry. Co. on First Ave. North and First St., Minneapolis, has been let to BUTLER BROS., New York Life Bldg., St. Paul, Minn. It will be four stories high, 75 × 420 ft., and of reinforced concrete construction. Cost, $200,000. Charles N. Kalk, Milwaukee, is Ch. Engr.

LINCOLN, NEB.—Plans have been prepared by Fiske & Dieman, Richards Block, for an addition to hotel for the Thompson Hotel Co. Estimated cost, $125,000.

TOPEKA, KAN.—See under Light and Power Plants.

LEWISTOWN, MONT.—WI[illegible] OLIVER of Spokane, Wash., is report[illegible] have secured the contract to erect [illegible] court-house at $108,900. The building wi[illegible] constructed of brick.

KANSAS CITY, MO.—H. R[illegible] is having plans prepared by Louis [illegible] Gee St., Kansas City, for an [illegible] 1112 Mofive stories high, 90 × 100 ft. building, $200,000.

ST. LOUIS, MO.—William [illegible] er, Arch., Ninth and Locust Sts., is [illegible] ing plans for a 3-story addition to [illegible] training department and reconstructio[illegible] the Central High School building fo[illegible] Board of Education. Brick, stone, [illegible] ced concrete and terra cotta will be [illegible] for construction, with fireproofing, pi[illegible] ass, marble and tile work, structural [illegible] work, gas and electric fixtures, water [illegible], washstands, etc. Cost, $240,000.

Contract has been awarded to [illegible] LDWELL & DRAKE, of Columbus, Ohio, [illegible] construcing a 23-story office building [illegible] St. Louis. Cost, $600,000.

MARYVILLE, MO.—The con[illegible] to erect the main building at the Norm[illegible] School has been awarded to D. E. MARSH[illegible] L. & CO., 2011 East Tenth St., Kan[illegible] City, at $173,230.

FORT WORTH, TEX.—A liv[illegible] k building will be erected by the Nat[illegible] Feeders and Breeders Association at Fort [illegible] orth. The building will have a seating [illegible] apacity of 10,000 and will cost about $20[illegible]

DALLAS, TEX.—The Board of Education has let the following contracts for the erection of a 3-story and basement high school building, according to plans prepared by Lang & Witchell, Archs., Wilson Bldg.: General construction, CRISMAN & NISBIT, $123,192; heating, KENISON BROS., $14,740; plumbing, P. J. SHEEHAN, $6,834. Thomas G. Terry is Secy.

HOUSTON, TEX.—Plans are being prepared for a 10-story office building to be located at the corner of Texas Ave. and Travis St. The building will be erected by Jesse H. Jones and will cost about $235,000. The plans call for a building fronting 72 ft. on Travis St. and 134 ft. on Texas Ave.

CHANDLER, OKLA.—The MANHATTAN CONSTRUCTION CO. has secured contract to erect a 2-story court-house and jail here at $127,000.

DENVER, COLO.—The Executive Committee of the National Mining Congress has decided to enlarge the plans for a mining building so as to secure a building to cost $1,000,000. The original plans called for a building to cost $300,000. J. H. Richards, of Boise, Idaho, is Pres.; James F. Galbreath is Secy.

COLORADO SPRINGS, COLO.—Bids are asked until 3 p. m., July 9, by James Knox Taylor, Superv. Arch., Washington, D. C., for construction, including plumbing, gas piping, heating apparatus, electric conduits and wiring, of the U. S. post-office and court-house at Colorado Springs.

SEATTLE, WASH.—Graham & Myers, Lowman Bldg., have prepared plans for the Washington Hotel which is to be erected by the Washington Securities Co., Globe Bldg. The building is to be of terra cotta, steel frame, fireproof, and cost about $300,000. Bids for the construction will be asked at once. C. J. Smith, Globe Bldg., is interested.

Schack & Huntington, Archs., have let contract to E. J. ROUNDS for erecting a church for the congregation of the First Methodist Church, at Fifth Ave. and Marion St. Cost, $120,000.

SAN FRANCISCO, CAL.—The Kiel Estate Co. has completed the foundation for a business block on the north side of Mission St., between Third and Fourth Sts. The lot is 57 × 160 ft. and extends back to Stevenson St. The structure will be six stories high and will contain stores and lofts. The cost will be more than $110,000. The building will be ready in six months. Meyers & Ward, Kohl Bldg., are Archs.

B. Schweitzer will erect a building on the corner of Grant Ave. and Post St., which will be 60 × 60 ft. on the ground floor, and six stories and basement in height. The four upper floors will each contain 12 offices, or 48 in all. The first and second will be occupied as stores. Colusa sandstone will be the material used for the two lower floors and pressed brick with terra cotta trimmings for the upper part. The building will be fireproof with metal lathing. The cost of the structure will be $115,000. Herman Barth, 2500 Fillmore St., is Arch.

REDLANDS, CAL.—Plans and specifications for a $225,000 residence for Col. William C. Greene have been completed and work will begin at once. John C. Austin, 695 Pacific Electric Bldg., Los Angeles, is Arch., and C. J. KUBACH, Stimson Bldg., has contract for construction. The building is to be of reinforced concrete.

SANTA ROSA, CAL.—The contract for construction of court-house at Santa Rosa has been awarded to the RICKON-EHRHART ENGINEERING & CONSTRUCTION CO., of San Francisco, at $325,880.

OTTAWA, ONT.—Bids are asked until June 10 for a $200,000 Y. M. C. A. building, to be erected here. The plans of the new building have been drawn by J. A. Ewart, 193 Sparks St., who is associated with Jackson & Rosecrans, 31 Union Sq., New York. Gordon Edwards, Ottawa, is Pres.

TORONTO, ONT.—The Grand Trunk and the Canadian Pacific Ry. companies have completed plans for a new union station at Toronto. It will occupy a site close to the present station. The new site is an irregular area bounded on the west by York St., on the north by Front St., and on the south by Esplanade St., which latter will be closed as a thoroughfare west of Yonge St. The site extends east of Bay St. to about the location of the proposed new street. The cost of the new station and grounds is estimated at about $2,000,000. J. M. R. Fairbairn, Toronto, is Div. Engr., C. P. R.; E. L. Cousins, Toronto, is Res. Engr., G. T. R.

WATER SUPPLY—IRRIGATION.

HANCOCK, N. H.—We are officially advised that COUGHEY & SCHOFIELD, Waltham, Mass., have been awarded contract for constructing water system, at $4,647. A. W. Dudley, Manchester, N. H., is Engr.

HAMPTON BEACH (Hampton post-office), N. H.—A. G. FULLER & CO. have secured contract to install water and pumping system for the Hampton Water-Works Co., at $20,000. B. Blake, 8 Beacon St., Boston, Mass., is Engr.

WESTFORD, MASS.—The Westford Water Co. will immediately construct water supply system, to supply Graniteville, Forge Village and Westford Centre. Edmund M. Blake, 8 Beacon St., Boston, Mass., is Pres.

MINEOLA, N. Y.—Bids are asked by the Board of Trustees, Joseph Smith, Pres., until 10 a. m., June 21, for constructing waterworks. The work includes furnishing 336 tons c.-i. pipe, 7 tons special castings, 45 fire hydrants, 36 valves, one gasoline engine, one triplex pump, power-house and 100,000-gallon tank erected on 125-ft. steel tower. Warren C. Seaman is Village Clk. Walter E. Sexton, 46 North Twelfth St., Philadelphia, Pa., is Engr. (Advertised, Engineering News.)

ALBANY, N. Y.—Bids are asked by the State Water Supply Commission, John C. Groves, Secy., until noon, June 21, for straightening, deepening and improving Canaseraga Creek, Kishaqua Creek and other ditches in Livingston County. The work includes about 677,100 cu. yds. earth excavation; 10,200 cu. yds. earth filling and embankment; clearing and grubbing; 15,000 lin. ft. round timber; 89,300 ft. sawed timber; 400 piles; 1,030 cu. yds. concrete; 358,000 lbs. structural steel for bridges, and 3,800 lin. ft. pipe railing. Walter McCulloh, at Dansville, N. Y., is Resident Engr. Myron S. Falk, 60 Wall St., New York, is Consult. Engr. (Advertised, Engineering News.)

ROME, N. Y.—The Water and Sewer Board has let contract to CHAS. H. CONNOR, of this city, at $3,884, for laying iron water main into East Rome, and for the several extensions about the city, about two miles of pipe in all. The Board furnishes pipe, calking and inspection. John L. Plunkitt is City Engr.

NEW YORK, N. Y.—Bids are asked by the Department of Water Supply, Gas and Electricity, John H. O'Brien, Comr., until 2 p. m., June 14, for furnishing and delivering 500 double-nozzle hydrants, and constructing water mains, etc., in portions of various streets.

FT. HANCOCK, N. J.—Bids are asked by Wm. Paterson, Constr. Q.-M., until noon, July 1, for installing filtration plant at this post. (Advertised, Engineering News.)

GREENSBURG, PA.—The WESTMORELAND WATER CO., of this city, has been awarded contract for furnishing 205 fire hydrants at total annual rental of $5,500, and $30 per year for each additional hydrant.

FRANKLIN, PA.—The Venango Water Co., M. D. Mitchell, Pres., has decided to build filtration plant near the water-works here, and to construct clear water reservoir.

WEST NEWTON, PA.—The West Newton Water Co. recently let contract for constructing water plant, to include 1,000,000-gallon reservoir and five miles of mains and pipes, to W. M. CHISHOLM, of Pittsburg.

CONNELLSVILLE, PA.—JOHN R. BENNETT & CO., of Uniontown, Pa., and Fairmont, W. Va., have been awarded contract for constructing water-works system in the Klondyke coal region near here, at about $250,000. The work includes constructing 10,000,000-gallon reservoir near the Thompson-Connellsville Plant No. 2; pumping station on Monongahela River near Arensburg, Pa.; 18 miles 6 to 24-in. pipe line, and dams across several creeks. The company that will operate the plant is known as the General Water Co., and is composed of several independent Pittsburg and Uniontown coal operators, of whom J. V. Thompson, of Uniontown, is the head. The plant is to be completed by Nov. 1, 1907.

MARSHALL, N. C.—The Board of Internal Improvements is considering boring an artesian well with the idea of later installing water-works and sewers, and would like to correspond with parties doing this kind of work. Dudley Chipley is Secy.

WASHINGTON, IND.—The R. A. BROWN CONTRACTING CO., of Washington, has secured contract for dredging Barr ditch, in Vanderburg and Posey Counties.

MILAN, MICH.—Plans are being prepared for constructing water-works. The Riggs & Sherman Co., Cleveland, Ohio, are Engrs.

WAUKEGAN, ILL.—Bids are asked by the Department of Public Works, M. R. Miller, Supt., until 8 p. m., June 7, laying 9,300 ft. 6-in. and 200 ft. 4-in. water pipe, 15 fire hydrants and 40 valves.

VANDALIA, ILL.—C. H. STERNBERG & SONS, of South Bend, Ind., have secured contract for constructing main ditch and laterals, requiring about 129,600 cu. yds. dredging, for $12,506. P. E. Fletcher is Drainage Engr.

PETERSBURG, ILL.—Bids are asked until June 11 by H. H. Schirding & Son for constructing ditch beginning at Sec. 2, Township 19 N., Range 5 W., running to Salt Creek Ditch. T. E. Blane is Attorney.

THOMSON, ILL.—The Commissioners of Savannah and York Drainage District, H. S. Peck, Chn., have let contract for constructing about three miles of open ditches to N. C. McGUINNESS, Bement, Ill. Estimated cost, $18,000. The work involves about 130,000 cu. yds. of excavation.

WEST BEND, WIS.—Bids are asked by H. P. Schloemer, City Clk., until 2 p. m., June 24, for furnishing 286 tons 4, 6, 8 and 10-in. c.-i. pipe, 27 hydrants, 27 6, 8 and 10-in. valves, laying 2,782 ft. 4, 6, 8 and 10-in. c.-i. pipe, one 60,000-gallon steel tank and tower, one 50-HP. suction gas producer and engine, and one 500-gallon deep well triplex pump. W. G. Kirchoffer, Madison, Wis., is Engr. (Advertised, Engineering News.)

SAC CITY, IOWA.—Contract for constructing 3,000 ft., more or less, of ditch for water mains has been let to WELCH & QUAIL, at $2.45 per rod. E. W. Moyer is Clk.

NEW ULM, MINN.—The CUDDY-CAVANAUGH CO. have been awarded contract for laying water mains on First North and Second South Sts.

ALEXANDRIA, MINN.—Contracts for digging and constructing Judicial Ditch No. 3, in Douglas and Pope Counties, have been let as follows: Main ditch, 80,000 cu. yds., O. F. DOYLE, St. Cloud, Minn., $9,262.22; branches, W. E. L. CROZIER, Monticello, Minn., $9,400. E. P. Wright is Audr., Douglas County. Ole Irgens is Audr., Pope County.

PAPILLION, NEB.—W. SCOTT KING, of South Omaha, has been awarded contract for preparing plans and superintending the installing of water-works plant. The work will be commenced at once, and the plant is to be in working order October 1. Estimated cost, $18,000.

BELLE FOURCHE, S. DAK.—The date for receiving bids for construction of South Canal, Sections 2-6, and Structures, Sections 2-8, involving approximately 670,000 cu. yds. of canal excavation, 7,200 yds. of concrete, and 1,295 lin. ft. of tunnel, in connection with the Belle Fourche Project, S. Dak., has been extended from May 28 to June 10, as advertised May 30. Bidding sheet and specifications are on file at office of Engineering News, New York.

FARGO, N. DAK.—Bids are asked by N. C. Morgan, City Audr., until 5 p. m., June 17, for constructing 6-in. water main on portion of Tenth St. South. Samuel F. Crabble is City Engr.

FORSYTH, MONT.—We are officially advised that the DES MOINES BRIDGE & IRON WORKS, Des Moines, Iowa, have been awarded contract for constructing waterworks system. A bid was also submitted by T. C. Brooks & Son, Jackson, Mich. The work consists of pumping station, boilers, 1,000,000-gallon pump, 1,300,000-gallon reservoir, pipe, hydrants, etc. Bids were received May 3. The Iowa Engineering Co., Clinton, Iowa, are Engrs.

BILLINGS, MONT.—The Secretary of the Interior has awarded contract for construction of Schedule 1, laterals and waste ditches, Lower Yellowstone Irrigation project, Mont.-N. Dak., to D. H. FREEMAN & CO., of St. Cloud, Minn., at $25,205. Schedule 1 consists of about ten miles of laterals and 4½ miles of waste ditches, and involves excavation of 87,430 cu. yds. of material.

LLANO GRANDE, TEX.—J. P. Withers is establishing a sugar plantation and otherwise developing 10,000 acres in Rio Grande Valley, and is receiving bids for material and machinery for constructing irrigation canal, pumping plant and concrete buildings. C. Rice is Engr.

HOBART, OKLA.—The city has voted bonds, amounting to $65,000, for constructing water extensions, storm sewers and street improvements. In addition, there will be 15 blocks of paving laid this season. Bids will be asked as soon as bonds are sold.

ROCKY FORD, COLO.—Bids are asked by the Board of Aldermen until 8 p. m., June 11, for extending cast and wrought iron water mains. E. L. McKelvey is City Clk.

LIVERMORE, COLO.—Bids are asked by the North Poudre Irrigation Co., of Fort Collins, Colo., until 10 a. m., July 8, for constructing a rubble concrete dam across North Fork of Cache La Poudre River, near Livermore. The maximum height of dam will be about 80 ft., and length 329 ft. The work consists of the following approximate quantities: 17,500 cu. yds. rubble concrete construction; 5,000 cu. yds. earth and loose rock excavation, and 500 cu. yds. solid rock excavation. M. E. Kaufman is Secy. S. G. Swigart is Ch. Engr. (Advertised, Engineering News.)

LOS ANGELES, CAL.—Bids have been received by the Board of Public Works on portions of aqueduct work, as follows: Charles C. Moore & Co., $20,075, for four Stirling water tube boilers of 5,000 and 2,500 sq. ft. heating surface, alternative proposal for cross compound condensing Corliss engines, $86,500. Hunt, Mirk & Co., for two steam turbine sets, circulating pump and exciter, $57,801. D'Olier Engineering Co., $22,270 for water tube boilers and $56,134 for steam turbine sets. General Electric Co., for steam turbine sets, $65,200. Pacific Coast Manufacturing Co., water tube boilers, $19,550, and cross compound condensing Corliss engines, $61,983. Standard Engineering Co., water tube boilers, $21,469.

PROVO, UTAH.—The Secretary of the Interior has awarded contract to the DAYTON GLOBE IRON WORKS, Dayton, Ohio, for furnishing water wheel apparatus in connection with the Strawberry Valley Irrigation Project, at $12,261.

MONCTON, N. B.—The water and sewage systems will be extended this summer.

DALHOUSIE, N. B.—Bids are asked until June 19 by A. J. LeBlanc, Town Clk., for the following work: Pumping engine, two boilers, dam and gate house, electric light engine, electric light system. Willis Chipman, 103 Bay St., Toronto, is Ch. Engr.

OTTAWA, ONT.—The City Water-Works Commissioners have decided to install duplicate pumps this summer. Cost, $35,000. J. H. Kerr is City Engr.

SIMCOE, ONT.—Contract for constructing system of water-works has been let to T. M. CULLON, Huntsville, Ont. W. C. McCall is Town Clk. Willis Chipman, Toronto, is Engr.

WINNIPEG, MAN.—The Board of Control has let contract for 66,000 ft. of water pipe of various sizes to EVANS, COLEMAN & EVANS, Vancouver, B. C.

SEWERAGE.

EXETER, N. H.—We are officially advised that the contract for constructing sewers has been let to ABLETT & BOWES, Cohoes, N. Y., at $6,776. A. W. Dudley, Manchester, N. H., is Engr.

BOSTON, MASS.—Bids are asked by the Metropolitan Water and Sewerage Board, Wm. N. Davenport, Secy., until 2.30 p. m., June 28, for constructing in rock and earth trench part of Section 82 of the Extension of the High Level Sewer, South Metropolitan System, in Gorham and Davis Aves., Brookline Playground, Private Lands, Brighton Road and Cypress St. to Boylston St., in Brookline. Wm. M. Brown is Ch. Engr., Sewerage Wks. (Advertised, Engineering News.)

NEW YORK, N. Y.—The following bids were received May 29 by Bird S. Coler, Pres. Boro. of Brooklyn, for constructing sewer in portion of Morgan Ave.: Murphy Bros., $35,153; J. H. Holmes, $31,031; Jenks-Astarson Co., $26,410; Michael Kelly, $35,579; J. L. Carey, $33,169; Donlon Contracting Co., 84 Broadway, $34,962, and O'Grady Bros., $33,710. All bidders are of Brooklyn.

Bids were received same time for constructing sewer in portion of 51st St., Brooklyn, as follows: Donegan & Redmond, $10,209; Louis Meyers, $12,150; J. L. Carey, $12,412; Donlon Contracting Co., $14,383; O'Grady Bros., $8,798, and D. Medell, $10,019. All bidders are of Brooklyn.

FT. EDWARD, N. Y.—Bids are asked until 8 p. m., June 20, for constructing sewerage system. James M. Murray is Village Clk. F. E. Crane, Amsterdam, N. Y., is Engr. (Advertised, Engineering News.)

PLAINFIELD, N. J.—Bids are asked by the Common Council until 8 p. m., June 20, for constructing storm sewers. The work includes 990 lin. ft. 36 × 29-in. concrete sewer; five manholes; 20 12-in. branches and 1,553 ft. 36-in. sewer. James T. MacMurray is City Clk. Andrew J. Garett is City Surv. (Advertised, Engineering News.)

DUQUESNE, PA.—BOWMAN BROS., McKeesport, Pa., have been awarded contract for sewering South Second St., South Duquesne Ave., Whitfield and Viola Aves.

WASHINGTON, D. C.—Bids are asked by the District Commissioners until noon, June 20, for constructing sewer. (Advertised, Engineering News.)

PORTSMOUTH, VA.—Bids are asked by the Sewerage Committee until June 27, for furnishing all materials and constructing discharge pipe line for Fifth Ward sewerage system through grounds of the U. S. naval hospital. Bascom Sykes is City Engr.

OXFORD, N. C.—Bids are asked by the Town Commissioners, A. A. Chapman, Chn., until noon, June 24, for constructing sanitary sewerage system. (Advertised, Engineering News.)

LEIPSIC, OHIO.—The Riggs & Sherman Co., Cleveland, Ohio, have been retained to prepare plans for constructing system of sewers and for paving Eastman St.

PIQUA, OHIO.—Bids will be received by the Board of Public Service, W. B. Mitchell, Clk., about June 15 for quantity of 12-in., 15-in. and 18-in. sewer pipe; also about Aug. 1 for quantity of 24-in. and 36-in. sewer pipe. H. E. Whitlock is City Engr.

COLUMBUS, OHIO.—Bids are asked by the Board of Public Service, E. F. McGuire, Secy., until noon, June 19, for constructing sewage force main. The work consists approximately of furnishing and laying 8,100 lin. ft. 20-in. c.-i. pipe, together with manholes, etc. Henry Maetzel is Ch. Engr., Dept. Pub. Service. (Advertised, Engineering News.)

CHILLICOTHE, OHIO.—Bids are asked by the Board of Public Service until June 7 for constructing an alley sewer west of Paint St. H. M. Redd is City Engr.

ASHTABULA, OHIO.—Bids are asked by the Board of Public Service until noon, June 11, for constructing sewers. A. J. Richardson is Clk. Lewis A. Amsden is City Engr.

STEUBENVILLE, OHIO.—Bids are asked by the Board of Public Service, T. W. Vance, Clk., until 12 noon, June 7, for constructing sewer in Dock St.

MONTICELLO, IND.—A. A. ANHEIER has secured contract for constructing the sewer system south of Ohio St., at $21,950. A. K. Rawlins bid $21,993.

CADILLAC, MICH.—Plans for constructing sewage disposal and sewage pumping station are being prepared by Geo. S. Pierson, C. E., Kalamazoo, Mich.

OTTAWA, ILL.—Plans, specifications and bidding sheet for constructing portions of Fifth, Sixth and Seventh Wards sewerage system, as advertised, are on file at office of Engineering News, New York. Bids are asked until June 18.

RIVER FOREST (Chicago post-office), ILL.—Bids are asked by F. B. Klock, Pres. Bd. of Local Impvts., until 8 p. m., July 1, for constructing sewer in Chicago Ave. Ralph Scarritt is Village Clk.

SYCAMORE, ILL.—Bids are asked by E. L. Spring, City Clk., until 2 P. M., June 10, for constructing 1,100 ft. 12-in. sewer.

MINOCQUA, WIS.—F. E. Mathuos, C. E., Merrill, Wis., is preparing plans and specification for constructing general sewer system. There will be from 1,000 to 2,000 ft. laid this season.

FREDONIA, KAN.—Plans and specifications are being prepared by Burns & McDonnell, Dwight Bldg., Kansas City, Mo., for constructing sytem of sanitary sewers and sewage disposal plant.

LINCOLN, NEB.—The city contemplates constructing 1,560 ft. of 30 and 2,630 ft. of 21-in. vitrified pipe sewers. William Grant is City Engr.

PIERRE, S. DAK.—Bids are asked by W. S. Little, City Audr., until 8 P. M., July 1, for furnishing material and constructing 3 miles 8 to 27-in. vitrified clay or cement pipe sewers; 1,900 lin. ft. concrete sewer 5 ft. 6 in. by 3 ft. 8 in. and 240 lin. ft. 54-in. concrete sewer, together with manholes, flushtanks and catch-basins complete. Edward Mather is City Engr. (Advertised, Engineering News).

MONTREAL, QUE.—The contract for constructing sewer in Vercheres and Frontenac Sts. have been awarded to L. GIGUERE. Estimated cost, $53,000. John R. Barlow is City Surv.

STREETS AND ROADS.

CONCORD, N. H.—Bids are asked by the State Highway Department until 5 p. m., June 19, for constructing three macadam roads. Estimated cost, $11,750. A. W. Dean is State Engr.

PITTSFIELD, MASS.—Bids are asked by the Board of Public Works, Louis B. Cummings, Clk., until 3 p. m., June 12, for paving South St. with sheet asphalt, wood block or bitulithic pavement. The work consists of about 14,000 sq. yds. paving. Arthur B. Farnham is City Engr. (Advertised, Engineering News).

WATERBURY, CONN.—The Connecticut Hassom Paving Co., of New Haven, is lowest bidder, at $28,312, for paving various streets. Robert A. Cairns is City Engr.

NEW YORK, N. Y.—Bids are asked by James W. Stevenson, Comr. of Bridges, until 2 p. m., June 13, for (A) widening roadways of Manhattan approach of Brooklyn Bridge and (B) relaying pavement on southerly approach of Willis Ave. bridge over Harlem River.

Bids are asked by Moses Herrman, Pres. Dept. of Parks, until 3 p. m., June 20, for furnishing all materials necessary for repaving walks in Prospect Park with asphalt tiles.

NEW YORK, N. Y.—Bids are asked by the Park Board until 3 p. m., June 20, for paving with asphalt tiles the walks in Sunset Park, Boro. of Brooklyn; also for furnishing and laying grass sods on Fourth Ave., between Atlantic Ave. and Third St., Boro. of Brooklyn. Moses Herrman is Pres.

UNION, N. J.—Bids are asked by the Town Council until 8 p. m., June 10, for paving, regulating, setting curb, etc., portion of Broadway. Emil Bautz, Jr., is Town Clk.

LEWISTOWN, PA.—R. W. HANSON, Geneva, N. Y., has been awarded contract for paving Valley and Marble Sts., at $28,000. William Moore is Boro. Engr.

ERIE, PA.—MAYER BROS., Buffalo, N. Y., have been awarded contract for paving Chestnut and Cherry Sts., at $1.69 per sq. yd. for asphalt and 90 cts. for natural stone curbing. B. E. Briggs is City Engr.

BEDFORD, PA.—SAUPP & DRIEW, Altoona, Pa., have been awarded the contract for constructing about three miles of the Hollidaysburg & Bedford Pike, at $16,500.

CLAYSVILLE, PA.—Contract for paving with vitrified brick, grading and curbing Main, Wayne and Greene Sts. has been let to the HALLUM CONSTRUCTION CO., Washington, Pa. Chaney & Armstrong, Washington, Pa., are Engrs.

ELLICOTT CITY, MD.—Bids are asked by the County Commissioners until noon, June 11, for grading and macadamizing public highway between Mount View and Sykesville, a distance of about 1½ miles.

HYATTSVILLE, MD.—Contract for constructing portion of Washington and Baltimore Boulevard between Hyattsville and Bridge crossing Paint Branch has been let to McDOWELL & BROWN, Port Deposit, Md.

NORFOLK, VA.—Bids are asked by the Board of Control, H. Hodges, Secy., until noon, June 26, for furnishing and constructing asphalt plant. (Advertised, Engineering News).

FREDERICKSBURG, VA.—Bids were opened May 25, at the office of the Depot Quartermaster, Washington, D. C., for road work near Fredericksburg, Va., as follows: J. H. Davis, Fredericksburg, $9,545, and James F. Bradley & Co., Richmond, $9,447.

PIEDMONT, W. VA.—Bids are asked for grading and paving Second, Green and Third Sts. by the Street Committee, R. H. Drane, Chn., until June 19.

SHREVEPORT, LA.—Bids are asked by C. G. Rives, City Comptroller, until 7 p. m., June 11, for grading, etc., various streets. W. E. Martin is City Engr.

NEW ORLEANS, LA.—Bids are asked by Charles R. Kennedy, City Compt., until 1 p. m., June 10, for paving with asphalt portion of North Prieur St. W. J. Hardee is City Engr.

Bids are asked at the same time for constructing sub-surface drains and sidewalk pavements on portion of Broadway.

LOUISVILLE, KY.—Bids are asked by the Board of Public Works until June 10 for grading, curbing and paving two streets with vitrified block. Work includes 2,300 cu. yds. of excavation, 2,040 lin. ft. limestone curb, 3,890 sq. yds. vitrified block pavement. Estimated cost, $9,200. J. P. Claybrook is Ch. Engr. Dept. Pub. Wks.

DAYTON, OHIO.—The Board of Public Service recently awarded HECKER & KIRCHNER the contract for paving Kinnard Ave., from Dry Hollow to Western Ave. FRANK MUNGER secured the contract for paving Clifford Ave., from National to Kinnard Aves. Robert E. Kline is City Engr.

CELINA, OHIO.—Bids are asked by M. Lutz, County Engr., until 10 a. m., June 15, for constructing roads.

Bids are asked by M. Lutz, County Engr., until 10 a. m., June 8, for constructing road.

COLUMBUS, OHIO.—The Board of Public Service has let contract to P. T. McCOURT, at $25,002, for grading, paving and curbing Cuyahoga St. Henry C. Maetzel is City Engr.

CHARDON, OHIO.—Bids are asked by the Board of County Commissioners, Julius C. Dorn, Clk., until 11 a. m., June 17, for grading and draining Bainbridge road.

NEW HAVEN, OHIO.—SUTTON & NORTH have been awarded contract for improvement of Chicago Junction and New Haven and Plymouth and New Haven roads. D. T. Dawson is Township Clk.

CHICAGO JUNCTION, OHIO.—A considerable amount of street paving will be undertaken this year. The Riggs & Sherman Co., Cleveland, Ohio, are Engrs.

ROCKVILLE, IND.—Bids are asked by H. A. Henderson, Audr. of Parke County, until June 16, for the construction of three gravel roads.

INDIANAPOLIS, IND.—Bids are being received by the Board of Public Works for gravel roadway, brick gutters, cement curb and sidewalks in portions of various streets.

CLINTON, IND.—Bids are asked until 8 p. m., June 10, for construction of 10,350 sq. yds. of brick pavement. B. F. Harrison is City Clk.

SULLIVAN, IND.—The County Commissioners have awarded FELIX JONES and EDW. SNOW, both of Sullivan, contract for constructing gravel road No. 2 in Cass Township.

EVANSVILLE, IND.—Contracts for paving seven streets have been let as follows: STOCKFLETH & SMALL, First Ave., at $22,771, Clinton block to be used; Fifth St., at $14,068, Terre Haute block; STINCHFIELD & REICHERT, Third Ave., $13,306; Clinton block; BEDFORD & NUGENT, Powell Ave., at $4,825, Terre Haute block, Goodsell St., at $6,885, Terre Haute block; WESTERN CONSTRUCTION CO., Mulberry St., at $6,430, and Delaware St. at $1,680, Bermudez lake asphalt. James D. Saunders is City Engr.

DUNDEE, MICH.—Plans and specifications for paving four streets have been prepared by the Riggs & Sherman Co., Cleveland, Ohio.

McLEANSBORO, ILL.—Bids are asked by the Board of Local Improvements, G. W. Hogan, Pres., until 1 p. m., June 21, for paving, curbing, etc. H. E. Beasley, Centralia, Ill., is Engr.

LA CROSSE, WIS.—Contract for macadamizing Market St. has been awarded to the LA CROSSE STONE CO., at $13,475.

JANESVILLE, WIS.—Bids are asked by the Street Assessment Committee until 2 p. m., June 27, for grading various streets. C. V. Kerch is City Engr.

DULUTH, MINN.—P. McDONNELL has been awarded contract for paving Jefferson St. with tar macadam, at $27,654.

WILLMAR, MINN.—Bids are asked by the City Council until 8 p. m., June 10, for grading portion of Troth Ave. H. Gunderson is City Clk.

FT. SNELLING, MINN.—Bids are asked by Capt. Amos W. Kimball, Constr. Q. M., St. Paul, Minn., until 11 a. m., June 15, for constructing roads at Ft. Snelling.

FT. RILEY, KAN.—Bids are asked by Capt. W. M. Whitman, Constr. Q. M., until 11 a. m., July 1, for constructing about 15,000 sq. ft. concrete sidewalks.

ST. LOUIS, MO.—The Board of Public Improvements has awarded following contracts for street improvements: JAMES T. McMAHON—Prairie Ave., $12,770; Linton St., $17,180; Virginia Ave., $27,178; Florissant Ave., $27,780. PARKER-WASHINGTON CO., of West Virginia—Papin St., $35,498; Gano Ave., $4,788; Kings Highway, $17,593; Rauschenbach Ave., $2,215; Newstead Ave., $24,153. TRINIDAD ASPHALT MFG. CO.—Athlone Ave., $14,275. SKRAINKA CONSTRUCTION CO., 319 North Fourth St.—Tamm Ave., $37,250; Lucky St., $5,254; Turner Ave., $19,582. GRANITE BITUMINOUS PAVING CO., 405 North Sixth St.—Lee Ave., $22,677; Hodiamont Ave., $5,488; Clayton Ave., $72,031. G. EGERMENN & BRO., 1216 South Grand Ave.—21st St., $2,329. Charles M. Talbert is Ch. Engr. Bd. Pub. Imprvts.

DENISON, TEX.—The contract to pave Main St. has been awarded to E. SWAIN, Fort Scott, Ark.

EL RENO, OKLA.—A. C. KREIPKE has been awarded contract for construction of 16,000 sq. ft. of cement sidewalks in the Lake View addition.

SEATTLE, WASH.—The County Commissioners have awarded two contracts to C. C. SNYDER as follows: Constructing John Tosh and Cotterill road $4,745, and 1,600 ft. road on Olson Ave., Alki point, $1,444.

PORT ANGELES, WASH.—The County Commissioners have let contract for constructing portion of Road 69 to NELS NELSON, at $4,500.

WALLOWA, ORE.—The County Court has let contract to JONAH TRUMP, at $3,450, for constructing portion of Sled Springs road.

LOS ANGELES, CAL.—Contract has been let to the FAIRCHILD-GILMORE-WILTON CO. for work on portion Seventh St., as follows: $2.50 for grading and graveling; 70 cts., curb; 64 cts., brick gutter; 10 cts., cobble gutter; 44 cts., sidewalk; $1.00 per lin. ft., sewer; 60 cts., brick paving; 50 cts., asphalt paving. H. G. Parker is City Engr.

TORONTO JUNCTION, ONT.—The Town Council has awarded contract for paving Dundas St. to C. W. DILL & CO., at $93,721. The work includes sidewalks and roadway.

MANUFACTURING PLANTS.

PORTSMOUTH, N. H.—The Bureau of Yards and Docks, Washington, D. C., has awarded to JAMES E. LEAMY & CO., Larned Bldg., Syracuse, N. Y., contract at $116,980 for constructing pattern shop for steam engineering, at the Navy Yard, Portsmouth.

WORCESTER, MASS.—E. D. WARD, 82 Foster St., Worcester, has contract to erect a brick and concrete machine shop on Lamartine St. for F. E. Reed & Co.

PEABODY, MASS.—The A. C. Lawrence Leather Co. has let contract to THOMAS LINES CO., Hartford, Conn., to build two factories, each 200 × 60 ft., one 5 stories and one two stories high, of brick, on concrete foundations, at $200,000. Arthur C. Lawrence is Mgr., 45 South St., Boston, Mass.

GARDNER, MASS.—A factory is to be erected immediately at a cost of $300,000 for the Heywood Bros. & Wakefield Co., 206 Central St., at Gardner, Mass. The specifications call for a main building, 75 × 425 ft., and an office building 60 × 60 ft., each four stories and basement. Lee & Hewitt, 1123 Broadway, New York, N. Y., are Archs. FRANK B. GILBRETH, 34 West 26th St., New York, N. Y., has contract for construction work.

Collier & Keyworth, Gardner, manufacturers of go-carts and baby carriage hardware, are to add a story to their factory, making it a 3-story building. The new space will be 40 × 100 ft.

SOUTH NORWALK, CONN.—Work has been started on the foundations of a factory to be built for J. C. Wilson & Co., Main and Cross Sts., hat manufacturers. The structure will be three stories high, 24 × 66 ft.

SHELTON, CONN.—The BEARDSLEY BUILDING CO. has the contract for the erection of an additional factory for the Sterling Pin Co. of Shelton. The plans call for a 3-story structure, 40 × 80 ft.

NEW BRITAIN, CONN.—The Corbin Motor Vehicle Co., 55 Elm St., New Britain, has awarded to the B. H. HIBBARD CO. the contract for further alterations of the main factory of the company's plant. The new part will be five stories high, of brick, 28 × 52 ft. and the old part will be raised to five stories.

HARTFORD, CONN.—The Royal Typewriter Co., 46th St., Brooklyn, N. Y., has purchased five acres of land on New Park Ave., in this city, and will utilize it as the site for a new plant. The property has frontage of 660 ft. on tracks of Hartford Division of New York, New Haven & Hartford R. R. The plant with its equipment will cost $500,000. It will have a floor space of 250,000 sq. ft. The concern will have a capacity for the employment of 1,000 operatives, and will be capable of turning out 25,000 machines annually. Allan A. Ryan is Pres. and Treas.

PAWTUCKET, R. I.—The Hope Webbing Co. is preparing to enlarge its plant. The addition will be situated on Dudley St., beyond the city line, and will consist of a weave shed, corresponding in type and parallel to the three now owned by the company and located on Warren Ave. in that section. The structure will be 515 ft. long and 80 ft. wide, and will be built of brick. There will be three stories in the front division, and two in the rear, with an intermediate section one story. The entire building will be used chiefly for weaving and finishing purposes. HARDING & HAMLYN have contract for erecting the addition and have started work on the foundations.

NEW YORK, N. Y.—The bids received by the Board of Health on May 29 to erect and complete an extension to the laundry building at the Riverside Hospital, North Brother Island, Boro. of the Bronx, were submitted by Kelly & Kelley, 45 East 42d St., $45,788, and Peter Kieran Co., 15 East 218th St., $44,800.

SENECA FALLS, N. Y.—Rumsey & Co., Seneca Falls, N. Y., manufacturers of pumps and engines, are preparing plans for an addition to their foundry, 50 × 96 ft., which will be equipped with a heavy electric traveling crane for handling the large castings. Another cupola will be installed in the addition for making castings for the larger triplex pumps. The present buildings will be given over to the castings of hand power and smaller lines of power driven pumps.

BUFFALO, N. Y.—The International Mfg. Co. will erect a plant near the city line on the Military Road and New York Central & Hudson River R. R. for the manufacture of Tandy products. It will be 300 × 200 ft. of Tandy California Variegated Bedford stone, with 150 to 200-HP. equipment, boiler and engine. The plant will contain crushing, conveying, railroad and other equipment. L. Duvall Tandy is Pres.; H. T. Gruver, 327 Ellicott Sq. is Mgr.

FONDA, N. Y.—Virscher & Lichenstein, of Gloversville, have purchased a lot of land from the Snell Estate for the purpose of erecting a silk mill. The work has already been begun and it is expected that manufacturing will begin early in the fall.

COHOES, N. Y.—Work on the new cotton spinning mill, at Cohoes, for the Fuld & Hatch Knitting Co., of this city, will soon be started. The main building is to be of brick and steel, four stories high, 240 × 100 ft., with separate structures for the powerhouse, picker, dye and store-houses. The mill will have an equipment of 15,000 ring spindles for spinning 40s and coarser counts. Electricity will be used and will be developed by this company.

SYRACUSE, N. Y.—William J. Burns, 1101 North State St., has the contract for building an addition to the Smith Premier Typewriter Co.'s plant at $25,000.

We are officially advised that the CONSOLIDATED ENGINEERING & CONSTRUCTION CO., Syracuse Savings Bank Bldg., Syracuse, has been awarded the contract for the erection of the building for the Orange Publishing Co., 806 Croton St., to be located at the corner of Irving Ave. and Croton St. The building will be of fireproof construction with reinforced concrete floors. Mr. A. L. Brockway, Syracuse Savings Bank Bldg., is Arch.

JERSEY CITY, N. J.—Thomas B. Kazanjian, 104 Gifford Ave., Jersey City, is reported to have accepted the plans of C. Fred Long, 1 Montgomery St., for a 2-story brick factory to be erected on West Side Ave. It will measure 75 × 202 ft., and cost about $30,000.

NEWARK, N. J.—A. S. Gottlieb, 156 Fifth Ave., New York, N. Y., has prepared plans for an extension to the leather plant of Stengel & Rothschild at Kossuth and Maine Sts. It will consist of a 2-story brick building of fireproof construction, 45 × 110 ft., and a 1-story structure 40 × 65 ft. Estimated cost, $30,000.

BEAVER FALLS, PA.—The new foundry of the Keystone Driller Co., Beaver Falls, Pa., will be 100 × 300 ft., of brick and steel construction. The company will make brass, gray iron and steel castings.

PITTSBURG, PA.—Rutan & Russell, First National Bank Bldg., are reported to have about completed plans for a 4-story factory and office building, 72 × 100 ft., to be erected at 25th St. and Liberty Ave., for the Pittsburg Screw & Bolt Co.

PALMYRA, PA.—The BROWN ENGINEERING CO. has secured the contract for the electric equipment of the new plant of the Kreider Hosiery Mills at Palmyra.

BALTIMORE, MD.—Benjamin Mayer has awarded contract to C. W. SIMPSON & CO., 415 East Lexington St., for the erection of 2-story factory building at 532 North Gay St. The structure is to be 15 × 100 ft.

ROCK HILL, S. C.—A. F. Ruff, W. H. Harris and W. S. Adams will establish a textile mill. It is reported that from $30,000 to $50,000 will be invested.

ATLANTA, GA.—The Atlanta Blow Pipe & Mfg. Co., Atlanta, Ga., recently incorporated, will erect a 2-story brick building, 75 × 100 ft., which it will equip with machinery for the manufacture of fans, dust collectors, blow pipes and structural ironwork.

CHICKAMAUGA, GA.—A company composed of A. S. Bowen, D. A. Jewel, T. G. Montague, John S. Martin, W. F Hutchison, L. L. Peak and J. L. Hutchinson, Memphis, Tenn., and J. S. Read, of Morristown, has purchased property at Chickamauga, just south of Chattanooga, Tenn., for the purpose of erecting a bleachery to cost over $100,000. In addition a bag plant will be erected by the company, which will be capitalized at $400,000.

JACKSONVILLE, FLA.—The Heber Turpentine Process Co. proposes to construct a plant at Jacksonville, to cost $25,000 to $30,000. There will be ten brick retorts, of ten cords capacity each. No power plant will be required, only boilers for refinery, to produce steam. E. Heber, of St. George, Ga., is Arch.; Charles A. Vuille, Huntington, Pa., is Secy.

TALLADEGA, ALA.—The capacity of the plant of the Talladega Cordage Co. will be increased and an addition to its building erected. A. O. Harwell is interested.

SHREVEPORT, LA.—George F. Hammer, of Parsons, Kan., is reported to have announced that he and associates will erect a brick and tile manufacturing plant at Shreveport, at a capitalization of $50,000 and will use natural gas fuel. Clay has been tested and found satisfactory for making fire brick.

CLEVELAND, OHIO.—A. E. Sprackling, Arch., Citizens Bldg., has let general contract to GEORGE COUNTER & SON for constructing a 1-story factory building for the Standard Foundry Co., at $12,000.

The Buckeye Pump Mfg. Co., manufacturers of the "Buckeye" water lift, has purchased lot No. 55, located at the corner of West Broad and Center Sts., where it will erect a factory building, with offices, machine room and foundry. D. H. Fobes is Secy.

DETROIT, MICH.—R. E. Raseman, Arch., 1302 Penobscot Bldg., has awarded contracts for a factory for the Chicago Hosiery Co., at Michigan Ave. and 12th St., as follows: Masonry, ISAAC E. BOOMER, Forest Ave. and Dequindre St.; carpenter work, J. H. A. HABERKORRY, 374 14th Ave.; plumbing and heating, VINTON CO., 126-148 Woodbridge St. Estimated cost, $30,000.

LA CROSSE, WIS.—The La Crosse Cracker & Candy Co., which is owned by G. R. and W. R. Montague, whose plant was destroyed by fire recently at a loss of $100,000, will erect a new factory which will have a capacity of four times the former plant.

DAVENPORT, IOWA.—The Davenport Locomotive Works, Davenport, builder of light locomotives, is contemplating erection of a foundry, 106 × 200 ft. The plans for the building have been completed, and it is purposed to proceed with the construction work at once.

ST. LOUIS, MO.—Mauran, Russell & Garden, 721 Olive St., have prepared plans for a factory and warehouse to be built this summer at Broadway and Benton St. by the Condie-Neale Glass Co. It will be six stories high, 80 × 150 ft., of slow burning construction, and will cost about $80,000.

Work has been started on foundations for three new plants for the Corn Products Refining Company. JAMES STEWART & CO., Lincoln Trust Bldg., St. Louis, are the general contractors. The new plants will represent a cost of $287,000, and will cover ten acres of ground. The first is to be a can factory, comprising four buildings, a factory building, an office, a warehouse, and a tin vault building. All will be of fireproof construction, one story high. The second plant will be a box factory, which will cut 40,000 ft. of lumber a day. The third will be an addition to the syrup and preserve plant, with a connection over the street.

TEMPLE, TEX.—The Temple Candy Factory has awarded contract to J. H. DAVIS for erection of office and factory building, two stories high, of pressed brick with pitch-faced cement-block trimmings, 60 × 110 ft. Cost, $20,000.

SYDNEY, N. S.—Contract for construction of the entire plant of the National Rolling Mills Co., of Sydney, has been awarded to E. A. WALBERG. The cost of the plant will be about $500,000.

SAULT STE. MARIE, ONT.—Bids are asked until June 13 by the Superior Copper Co. for constructing a concentrating plant here. George Kemp and F. C. Smith are interested. See also under Railways.

STRATFORD, ONT.—Contract has been awarded by the Grand Trunk Ry. System to the CANADIAN BRIDGE CO. for the structural steel for the new shops at Stratford. The building will be 950 ft. long and 175 ft. wide. Joseph Hobson is Ch[illegible] Montreal, Que.

STRATHCONA, ALB., CA[illegible] Brackman-Ker Milling Co. has d[illegible] to arrange at once for erection of abou[illegible] elevators in Alberta, to be com[illegible] this summer.

VANCOUVER, B. C.—Th[illegible] Works, Seattle, Wash., will [illegible] a branch factory here, on False Cree[illegible] $100,000. A. E. Charlesworth [illegible] is in charge.

The Golden West Soap Co[illegible] a site on Burrard Inlet, [illegible] which to erect a soap fact[illegible] $150,000. Plans have not y[illegible] P. Burns & Co. are interested.

VANCOUVER, B. C.—A c[illegible] capital of $500,000 has been [illegible] and will commence at once e[illegible] refinery. Those connected [illegible] prise are: H. J. Crocker, [illegible] Harry Abbott, Vancouver, a[illegible] sey, San Francisco.

MISCELLANEOUS CONTRACTS.

U. S. RECLAMATION SERV[illegible] relative to canal projects, etc[illegible] under Water Supply—Irrigation.

POWER LAUNCHES.—New [illegible], N. Y.—Bids are asked by Theo. A. [illegible], Police Comr., until 10 a. m., June 11 [illegible] launches for the Police Depa[illegible].

REPAIRING FIREBOAT.—N[illegible], N. Y.—Bids are asked until 10:30 a [illegible] June 10 for repairs and alterations to fi[illegible] "Abram S. Hewitt." Francis J. Lantry [illegible] Fire Comr.

ROCK EXCAVATION. — Portland, Me.—Bids are asked by Maj. Geo. A. [illegible], Corps Engrs, U. S. A., until June 25 [illegible] rock excavation in Sasanoa River. (Advertised, Engineering News.)

SEAWALL.—Mobile, Ala.—Bids are asked until 11 a. m., July 12, for constructing a seawall at Fort Morgan, Ala. Maj. H. Jervey, Corps Engrs., U. S. A. (Advertised, Engineering News.)

DREDGING. — Duluth, Minn.—Bids are asked until noon, June 28, by Maj. Graham D. Fitch, Corps Engrs., U. S. A., for dredging in Duluth-Superior Harbor. (Advertised, Engineering News.)

TOW BOAT.—Chattanooga, Tenn.—Bids are asked by First Lieut. W. G. Caples, Corps Engrs., U. S. A., until 11 a. m. June 22, for building a wooden hull tow boat and delivery at Paducah, Ky.

DREDGING.—Fernandina, Fla.—Bids are asked by Lieut. Col. Dan C. Kingman, Corps Engrs., U. S. A., Savannah, Ga., until noon, July 18, for dredging harbor at Fernandina. (Advertised, Engineering News.)

EXCAVATION.—Ogdensburg, N. Y.—Bids are asked until 11 a. m., July 2, by Col. H. M. Adams, Corps Engrs., U. S. A., Buffalo, N. Y., for excavation at Ogdensburg Harbor. (Advertised, Engineering News.)

FREIGHT-SHED.—Fort Monroe, Va.—Bids are asked until noon, June 15, by Capt. R. H. C. Kelton, Q. M., for constructing a steel trussed freight shed on main wharf at Fort Monroe. (Advertised, Engineering News.)

EXCAVATION.—Boston, Mass. — Bids are asked until noon, June 25, by Maj. Edw. Burr, Corps Engrs., U. S. A., for about 15,000 cu. yds. rock excavation in Boston Harbor. (Advertised, Engineering News.)

DREDGING.—Detroit, Mich. — Bids are asked until 3 p. m., July 3, by Col. Chas. E. L. B. Davis, Corps Engrs., U. S. A., Jones Bldg., for dredging at Section 4, Plan B, Detroit River. (Advertised, Engineering News.)

DREDGING.—Newport, R. I. — Bids are asked by Lieut.-Col. J. H. Williams, Corps Engrs., U. S. A., until 11 a. m., July 6, for dredging in New Bedford and Fairhaven Harbors, Mass. (Advertised, Engineering News.)

CONCRETE SEAWALL.—Sandy Hook, N. J.—Bids are asked until noon, July 1, by Wm. Paterson, Const. Q. M., for constructing a reinforced concrete seawall at Fort Hancock, N. J. (Advertised, Engineering News.)

DREDGING.—Montgomery, Ala.—Bids are asked until noon, July 1, by Capt. J. B. Cavanaugh, Corps Engrs., U. S. A., for dredging at mouths of Apalachicola and Carrabelle Rivers, Fla. (Advertised, Engineering News.)

CONCRETE DAM.—Cincinnati, Ohio.—Bids are asked until noon, June 29, by Lieut.-Col. Wm. T. Rossell, Corps Engrs., U. S. A., for constructing concrete dam, etc., at head of Marietta Island, Ohio River. (Advertised, Engineering News.)

DREDGING.—Baltimore, Md.—Bids are asked until 1 p. m., July 1, by Lieut.-Col. R. L. Hoxie, Corps Engrs., U. S. A., 812 St. Paul St., Baltimore, for dredging in Patapsco River and Chesapeake Bay. (Advertised, Engineering News.)

TELEPHONE SYTEM.—Elgin, Man.—At a recent meeting of the council of the municipality of Whitewater it was decided to at once make arrangements for the installation of a rural telephone system. J. Donley, Minto, Man., is interested.

REMOVING COLUMNS.—Brooklyn, N. Y.—Bids are asked by James W. Stevenson, Comr. of Bridges, Boro. Manhattan, until 2 p. m., June 13, for removing columns at Sands and Washington Sts., in the Boro. of Brooklyn, Brooklyn Bridge.

DREDGING.—Mobile, Ala.—Bids are asked until June 28 by Maj. H. Jervey, Corps Engrs., U. S. A., for dredging in Mobile Harbor. Specifications and bidding sheet are on file at New York office of Engineering News. (Advertised, Engineering News.)

DREDGING.—Chicago, Ill.—Bids were received on May 29 for dredging approximately 17,000 cu. yds. of material from the bottom of that part of the west arm [illegible] the south branch Chicago River which lies 200 ft. west north from 39th St. John J. Ha[illegible]berg, Comr. of Pub. Works. Contract was awarded to the FITZSIMONS & CONNELL C[illegible] Tacoma Bldg., at 25 cts. a cu. yd. Cost $4,250.

COAL-HANDLING MACHINERY.—Hamilton, Ohio.—Bids are asked by the Board of Public Service until June 13, for furnishing material and erecting coal handling machinery and coal pockets. John W. Hill, First National Bank, Cincinnati, is Engr.

CEMENT.—Ottawa, Ont.—Bids are asked until June 21 by L. K. Jones, Secy. Dept. Railways and Canals, for the supply of 1,600 barrels of Portland cement for the Rideau Canal, Ottawa. A. T. Philips is Supt. Engineer, Rideau Canal, Ottawa.

WHARF.—New Orleans, La.—The Louisiana Export Box & Lumber Co. plans to construct a 4-ft. private wharf in front of the $100,000 box plant which it is building at Algiers, opposite New Orleans. Wharf will be [illegible] ft. long by 225 ft. in width.

BREAKWATER.—Los Angeles, Cal.—Bids are asked by Capt. Amos A. Fries, Corps Engrs., U. S. A., until 11 a. m., June 18, for repairing and completing breakwater at San Luis Obispo Harbor, Cal. Specifications and bidding sheets are on file at office of Engineering News, New Work.

GRADING.—Washington Barracks, D. C.—Bids are asked by Maj. J. T. Crabbs, Const. Q. M. G. S. A., Walter Reed Army General Hospital, Washington, D. C., until June 10, for grading a portion of government reservation at Washington Barracks, D. C., to include about 150,000 cu. yds. fill.

DREDGING.—Buffalo, N. Y.—The Lehigh Valley R. R. Co. will construct an outlet channel to the outer harbor from the Blackwell Canal on its "Tifft Farm" terminal property. The estimated cost of the work, including a drawbridge for the Hamburg turnpike, is $350,000.

BULKHEADS AND FILLING.—Buffalo, N. Y.—The Lehigh Valley R. R. Co. will build bulkheads along its lake front property on the outer harbor at Buffalo and fill in and develop same at an estimated cost of $750,000 to provide additional terminal and lake transfer facilities. Walter G. Berg is Ch. Engr., New York.

BREAKWATER.—Petoskey, Mich.—Bids were received by Col. M. B. Adams, Corps Engrs., 57 Park St., Grand Rapids, Mich., on May 29, for extension and repair of breakwater at Petoskey, Mich., as follows: Burk, Smith & Nelson, Muskegon, Mich., $18,607; Robert Love., Muskegon, $19,079; Bennett-Schnorbach Co., Muskegon, $19,-563.

ORE DOCKS.—Buffalo, N. Y.—The Lehigh Valley R. R. Co. is to increase its ore handling facilities at its "Tifft Farm" terminals, Buffalo, by the addition of three unloading machines and storage bridges with clamshell buckets and the extension of storage floors and frontage, at an estimated cost of $400,-000. Walter G. Berg is Ch. Engr., New York.

CRUSHED ROCK BALLASTING.—Indianapolis, Ind.—Bids are asked by William Love & Co., Board of Trade Bldg., Indianapolis, for ballasting 50 miles of railroad in Kentucky, with crushed rock. Company will furnish equipment for distributing. Contractor to furnish and crush rock and put under track. Plenty of rock on line. (Advertised, Engineering News.)

SAND, CEMENT, ETC.—New York, N. Y.—Bids are asked until 3 p. m., June 17, by John F. Ahearn, Pres. Boro. Manhattan, for furnishing and delivering 175 yds. best Cow Bay sand; 80,000 best North River hard brick, 225 barrels Portland cement, 150 barrels Rosendale cement, 600 best spruce planks, 2" × 9" × 13'; 400 best spruce planks, 9" × 1¼" × 13'; 200 best spruce strips, 2" × 4" × 13'; 75 best spruce joists, 2" × 6" × 13'.

FIRE HOSE.—Bids were opened June 1, at the office of the District Commissioners, Washington, for furnishing 15,000 ft. more or less of 2½-in. rubber lined fire hose, during the ensuing year, as follows: Boston Woven Hose & Rubber Co., Cambridge, Mass., 80 cts. per ft.; Gutta Percha Rubber Mfg. Co., 126 Duane St., New York, $1.10; Eureka Fire Hose Co., New York, $1; Fabric Fire Hose Co., New York, 90 cts; Cornelius Callahan Co., New York, 80 cts.

VACUUM PLANT.—New York, N. Y.—Bids were received as follows by John W. Brannan, Pres. Bd. Trustees, Bellevue and Allied Hospitals, on May 29, for a vacuum dust sweeping and cleaning plant, in Pavilions A and B of the New Bellevue Hospital, on First Ave., 26th and 29th Sts., Boro. of Manhattan: Vacuum Cleaner Co., 427 Fifth Ave., $5,450; J. P. Sousa Co., New York, $5,-110; Sanitary Device Mfg. Co., 11 East 24th St., $5,462.

DAM.—Livermore, Colo.—Bids are asked until 10 a. m., July 8, by the North Poudre Irrigation Co., of Fort Collins, Colo., for the construction of a rubble concrete dam across the North Fork of Cache La Poudre River, near Livermore, maximum height about 80 ft. and length about 329 ft. Estimated quantities: Rubble concrete construction, 17,500 cu. yds.; excavation, earth and loose rock, 5,000 cu. yds.; excavation, solid rock, 500 cu. yds. The cement will be furnished by the North Poudre Irrigation Co. S. G. Swigart is Ch. Engr. (Advertised, Engineering News.)

HEADSTONES.—Boston, Mass.—Bids were received as follows on May 22 by Capt. Geo. L. Goodale, Depot Q. M., U. S. A., 263 Summer St., for furnishing the quartermaster's department, U. S. Army, 12,000 white marble headstones, conforming to existing standard and specifications: Lee Marble Works, Lee, Mass., $3.20 each; White Marble & Terrazzo Co., Lee, Mass., $3.35; West Stockbridge Marble Works, West Stockbridge, Mass., $3.52; The Blue Ridge Marble Co., Nelson, Ga., $3.25 and $3.75, according to samples; Vermont Marble Co., Proctor, Vt., $2.99.

CREOSOTED LUMBER RUBBLE STONE.—Charleston, S. C.—Bids were received by Capt. C. P. Howell, Corps Engrs., U. S. A., on May 29, for furnishing creosoted lumber and rubble stone as follows (for stone only): Georgia Rough and Cut Stone Co., Augusta, Ga., $19,172; Winnsboro Granite Corporation, Charleston, S. C., $51,205, or $2.04, average price a ton; total of $49,980. For timber: Wyckoff Pipe & Creosoting Co., Stamford, Conn., $35,235; Norfolk Creosoting Co., Norfolk, Va., $33,181, cheaper rates if delivered by water; Atlantic Creosoting & Wood Preserving Co., Norfolk, Va., $36,195.

CONCRETE WALL, FENCE, ETC.—New York, N. Y.—Bids are asked by John H. O'Brien, Comr. of Water Supply, Gas and Electricity, until 2 p. m., June 14, for furnishing, constructing and erecting a concrete wall, a concrete gate house and a wrought iron fence around the standpipe located at North 16th and High Sts., College Point, Third Ward, and a wrought iron fence around the pumping station No. 1, located at Hill St. and Nott Ave., First Ward, Boro. of Queens.

RETAINING WALL.—Oneida, N. Y.—Only one bid was received by F. C. Stevens, Supt. Public Works, Albany, on May 28, for the work of constructing concrete retaining wall along the Oneida feeder at Oneida, N. Y., it being that of H. W. Fisher, of Oneida, at $4,-300. The itemized prices of the bid were: Bailing and draining, $175; 1,150 cu. yds. excavation, including backfilling, 50 cts. per cu. yd.; 520 cu. yds. Third-class concrete, $6; 60 lin. ft. 4-in. vitrified pipe in place, 9 cts.; 125 cu. yds. gravel in foundation, $1.85; 3,-222 sq. ft. expanded metal, 6 cts.

DREDGING.—New York, N. Y.—Bids were received by Col. D. W. Lockwood, Corps Engrs., U. S. A., Army Bldg., 39 Whitehall St., on May 27, for dredging in several harbors, &c, as follows: J. M. Briggs, 154 Nassau St., New York, Keyport harbor, 40 cts., scow measurement; Matawan creek, 60 cts.; Raritan River, 40 cts.; South River, 50 cts.; Shoal harbor and Compton Creek, 60 cts.; Cheesequake Creek, 60 cts. Morrison Dredging Co., 194 Washington Ave., Newark, N. J., Elizabeth River, 39 cts., prism measurement. Hawley Miller, Keeler's Hotel, Albany, N. Y., South River, 32 cts., scow measurement; Cheesequake Creek, 42.5 cts.

RIVER IMPROVEMENT.—Albany, N. Y.—Bids are asked by the State Water Supply Commission, DeGraaf Bldg., Albany, until noon, June 21, for the work of straightening, deepening and improving Canseraga Creek, Kiskaqua Creek and other ditches in Livingston County, N. Y. The work includes about 677,100 cu. yds. of earth excavation; 10,200 cu. yds. of earth filling and embankment; clearing and grubbing; 15,000 lin. ft. of round timber; 80,300 ft. of sawed timber; 400 piles; 1,600 cu. yds. of concrete; 358,000 lbs. structural steel for bridges and 3,800 lin. ft. of pipe railing. Bids will be received for the whole work, or for any one of the nine sections into which the work has been divided. Henry H. Persons, DeGraaf Bldg., Albany, is Pres. of the Commission, and John C. Granes is Secy.; Myron S. Falk, 60 Wall St., New York, is Consult. Engr.; Walter McCulloch, Dansville, N. Y., is Resident Engr.

DREDGING.—Tarrytown, N. Y.—Bids were received as follows on May 31 for dredging in harbor at Tarrytown. Col. D. W. Lockwood, Corps of Engrs., Army Bldg., 39 Whitehall St., New York. (A) price per cu. yd., scow measurement; (B) amount of dredging that can be done under available balance: P. Sandford Ross, Inc., 277 Washington St., Jersey City, N. J., (A) 17.85 cts.; (B) 72,-829 cu. yds. John P. Randerson, 755 Madison Ave., Albany, N. Y., (A) 18 cts.; (B) 72,222 cu. yds. DuBois Bros. Dredging Co., 17 Whitehall St., New York, (A) 13.9 cts.; (B) 93,525 cu. yds. R. G. Backard Co., 130 Pearl St., New York, (A) 35 cts.; (B) 37,-142 cu. yds. The Newburgh Dredging Co., Newburgh, N. Y., (A) 18 cts.; (B) 72,222 cu. yds. The W. H. Beard Dredging Co., 24 State St., New York, (A) 19.5 cts.; (B) 66,-666 cu. yds. Maritime Dredging Co, 78 Broad St., New York, (A) 16.5 cts.; (B) 78,-787 cu. yds.

BARGE CANAL WORK.—Albany, N. Y.—The plans and specfications for additional work on the Barge canal, presented to the Canal Board by State Engineer Frederick Skene, were approved by the board on May 28. The contracts are now ready for the advertisement for proposals. The duty of calling for bids and awarding the contracts is with F. C. Stevens, Supt. Public Works, Albany. The contracts approved are: Contract No. 12, for the excavation of the canal, protecting its sides, construction of Lock No. 23 and appertaining structures; bridges and abutments, bridge approaches and other incidental details, between deep water at west end of Oneida Lake, Sta. 2720, and Mosquito Point bridge over the Seneca River at east end of Contract No. 5, Sta. 5074, the contract being 43.73 miles long; the engineer's estimate is $3,082,000. Contract No. 14, which is for dredging a channel in the Mohawk River beween the west end of Contract No. 11, Sta. 305, and a point near Upper Mohawk aqueduct at Rexford Flats, Sta. 1046; for constructing dam No. 2 below Crescent aqueduct, Sta. 305; Dam No. 3, Lock No. 7 above Visscher's Ferry, Sta. 839; Dam No. 9 and Lock No. 13 at Yates, Sta. 2954; Dam No. 10 and Lock No. 14 at Canajoharie, Sta. 3370; Dam No. 11 and Lock No. 15 at Fort Plain, Sta. 3554; retaining dam at Mindenville, Sta. 3865; highways changes; culverts and incidental work appertaining thereto; length of contract being 15 miles; the engineer's estimate is $2,875,000. And Contract No. 35, which is for excavating the canal and protecting its sides, constructing Locks Nos. 7 and 8; bulkheads; culverts; spillways incidental details, between a point half a mile above Utica St. bridge, Sta. 1164 + 00, and the harbor line north of the Bridge St. bridge, Sta. 1208 + 85, at Oswego, N. Y. Length of contract is 0.85 mile. Engineer's estimate is $752,000.

U. S. POSSESSIONS AND CUBA.

ROCK CRUSHER PLANT.—Panama.—The Isthmian Canal Commission, Washington, D. C., has accepted the bid of MOTLEY, GREEN & CO., 66 Broad St., New York, for the construction of a rock crusher plant, at $65,457.

LUMBER.—Panama.—The Isthmian Canal Commission has accepted the bid of CAMP & HINTON CO., INC., New Orleans, La., for furnishing about 7,800,000 ft. B. M. yellow pine lumber, at their third bid of $184,275; time, 180 days.

BUILDINGS.—Hawaii.—All bids received on March 4, by James Knox Taylor, Supervising Arch. of the Treasury, Washington, D. C., for the construction of an investigation station for the study of leprosy, on Molokai Island, Hawaiian Territory, have been rejected as in excess of the appropriation.

STEEL BRIDGES.—San Juan, P. R.—Bids are asked until 10 a. m., July 20, by the Bureau of Public Works of the Department of the Interior, San Juan, for plans for five steel riveted through truss highway bridge spans, each 135 ft. ½ in. long between centers of pins, for the Rio Grande de Loiza Bridge near Caguas; La Plata Bridge on the Bayamon-Comerio Road, and the Utuado Bridge near Utuado. J. J. Jiminez, Supt. Public Works. (Advertised, Engineering News.)

DREDGES.—Panama.—Bids are asked until 10.30 a. m., June 28, by David W. Ross, Gen. Purchasing Officer, Isthmian Canal Commission, Washington, for furnishing at any port in the United States, two or one suction dredges, knocked down and securely packed for shipment. It is desired that the contractor furnish two stout dredge hulls and complete machinery. They are to be used in the canal near Cristobal and near La Boca, and are to be able to dredge to a depth of 40 ft. They are to be of the hydraulic type, with one 20-in. pumping unit. Dimensions: Length, 124 ft., 3 ins. over deck; breadth, 36 ft. 6 ins.; depth, 9 ins. Each dredge is to be fitted completely with hoisting frame for suction pipe; suction pipe, frame and cutters; traveling crane; steam plant; sand pump; two Scotch marine boilers; two "Ideal" engines; one cutter engine; surface condenser; air pump; circulating pump; hoisting winch; capstans, etc.

LUMBER.—Panama.—Bids were received as follows June 4, at the Office of the Isthmian Canal Commission, Washington, D. C., for furnishing 1,716,000 ft. B. M. lumber, either Douglas fir or yellow pine, long leaf: A. S. Bacon & Sons, 2 Bay St., West, Savannah, Ga., $53,024; 120 days; pine. Bellingham Bay Lumber Co., Sansome and Chestnut Sts., San Francisco, $44,616; 60 days shipment; Douglas fir. Chicago Lumber & Trading Co., Fullerton Bldg., St. Louis, $55,695; $53,458; $51,251; 118 days; pine. Dixon Lumber Co., Savannah, Ga., $56,975; 150 days; pine. Eastern & Western Lumber Co., Portland, Ore., f. o. b., Portland; $16 and $16.50 per M. ft.; 30 days shipment; fir. G. Elias & Bro., 16 Elk St., Buffalo, N. Y., $57,278; 90 days; pine. Ensign Lumber Co., Jacksonville, Fla., $55,775; $54,058; 90 days; pine. General Investment Co., New Orleans, $51,-377; 90 days; pine. Wm. D. Gill & Sons, 701 President St., Baltimore, $54,813; $60,310; 120 days; pine. D. L. Gillespie & Co., Pittsburg, $46,376; 90 days; fir. J. K. Joice & Co., Chicago, $47,000; 150 days; pine. Kirby Lumber Co., Houston, Tex., $57,300; 120 days; pine. Robt. R. Sizer & Co., Jacksonville, Fla., $49,-163; 75 days; pine. Southern Sawmill Co., Hennen Bldg., New Orleans, $56,258; 80 days; pine. Carter Lumber Co., Houston, Tex., $64,111; 180 days; pine.

FOREIGN CONTRACTS.

(To insure prompt attention, letters upon consular business should be addressed to the American Consul at ———, ———. Such letters are opened and attended to by the person that may be in charge of the office. If addressed to the consul, personally, letters are forwarded to him, unopened, should he be absent, and a delay thus intervenes. If, in the meantime, he should have gone out of office the matter may wholly escape attention.)

GAS WORKS.—New Zealand.—Bids are asked until June 19 by Municipality of Dunedin, N. Z., for construction of gas works. J. Hungerford is Gas Engr., at Dunedin.

RAILWAY.—Servia.—Bids are asked until June 18 for the construction of line from Krussevatz to Uzice. Guarantee, $116,000 in bonds. Particulars from the Director of the Servian Railway.

DEEP WATER DOCK.—England.—A new deep water dock is projected near Boston, Lincolnshire, for the shipment of coal produced in the Midland Counties. No time yet fixed for receiving bids.

ABATTOIR PLANS.—France.—Bids are asked until Sept. 15 by the Municipality of Reims for designs for construction of abattoir. Estimated cost, $250,000. Prizes $200 to $800. Accepted design to be executed.

SMELTING MATERIALS.—Australia.—Bids are asked until July 5, at Sydney, by the Electrolytic Refining & Smelting Co. of Australia, Ltd., 118 Pitt St., Sydney, for steam boilers, engines, electrical machinery, brass furnaces and smelting appliances. Benj. Magnus, Sydney, is Mgr.

RAILWAY.—Sweden.—The two Houses of the Swedish Legislature have decided to appropriate a sum of 1,200,000 kroner (about $320,500) for the extension of the State Railway system in Lapland from Morjarv to Laptrask. This extension will bring the line to about twelve miles from the frontier of Finland.

SEWERAGE PROJECT.—England. — There is now before the House of Parliament a project involving an estimated expenditure of about $500,000 in ten years in the construction of a tank pumping station and an outfall sewer into the sea. Particulars may be had from the Borough Engineer, Southend-on-Sea, Essex.

RAILWAY.—Spain.—Bids are asked by the Public Works Department, Madrid, Spain, until July 30 for the construction of a railway from Santiago de Compostela to Coruna —Lugo line. Deposit required $22,000. Government subsidy about $10,300 per kilometer (0.62 miles). Address Direction de Obras Publicas Ministero de Fomento.

RAILWAY.—Switzerland.—A company, presided over by Dr. C. Spahn, Mayor of Schaffhausen, has been authorized to construct a steam or electric railway between Schaffhausen and a point on the frontier near Ober-Bargen. The cost of the enterprise is estimated at 5,500,000 frs. (about $1,060,000) of which 705,000 frs. are to be spent on rolling stock.

GASHOLDER.—England.—A large gasholder with guide framing is in contemplation by the Manchester Corporation, to be constructed of steel, which is to rank among the largest of those erected in England. The working capacity will be over 10,000,000 cu. ft. For full particulars apply to J. G. Newbigging, Gas Engr., Town Hall, Manchester. Bids will be invited early in the fall.

CITY LIGHTING.—India.—Bids are asked until Dec. 31 by the Municipal Council of Calcutta, India, for the lighting of the town by either electricity, gas, oil, or any other method. Area, 20 square miles; 300 miles of streets, including 170 miles of main streets, all lighted at present by about 9,300 gas lamps of an equivalent of 11,300 24 c. p. lamps and 2,400 c. p. oil lamps.

SEWAGE SETTLING TANKS.—England.—The Corporation of Sheffield, England, invites bids for the construction of six settling tanks with a capacity of 6,000,000 gallons and of 24 contact beds, each half an acre in extent filled with clinker four feet deep, these being but one-third of the number ultimately required. Particulars may be secured from C. F. Wike, City Engr. and Surveyor, Sheffield.

RESERVOIR.—England.—Construction of a reservoir is planned covering an area of about 70 acres at Heaton Park; the length of the embankments forming reservoir will be about 1¾ mile, and the work will also include the laying and jointing of pipes and valves of various sizes, as well as construction of a temporary tramway and other works required by the Corporation of Manchester. Particulars from G. H. Hill & Sons, Civil Engrs., Albert Square, Manchester, and 3 Victoria St., Westminster, London. Bids will be received until June 10th.

TELEPHONE MATERIAL.—Australia.—The Deputy Postmaster-General, Brisbane, Australia, invites bids until Sept. 2 for four sections of a common battery switchboard and 650 subscriber's telephones to specification No. 145, particulars being obtainable from the Comptroller of Stores at Brisbane, Melbourne, Sydney, and Adelaide. A deposit must be made, in making bids, with the Deputy Postmaster-General at Sydney, Melbourne, or Adelaide, of 5 per cent. of the amount of bid up to $5,000, and 2½ per cent. for any additional amount exceeding $5,000.

ELECTRICAL EQUIPMENT.—Australia.—The Postmaster General's Department, Adelaide, Australia, will on July 10 open bids for five miles insulated copper wire, 500 copper tapes, 5,000 copper binders, two switchboards, two lightning arrester boards, 1,000 fuses for telephone sets, 500 Leclanche cells No. 2 size, 100 mechanical registers, twelve differential galvanometers, 15 electro-magnetic transmitters, six registering boxes, plug pattern.

The Municipality of Albany in Western Australia, invites bids for the supply of public or private lighting, any system for 15 years from May 1, 1908. Address the Town Clerk.

CONTRACT PRICES.

SHEET ASPHALT.—Albany, N. Y.—Bids in detail were received by the Board of Contract and Supply, Albany, on May 20, for resurfacing with sheet asphalt Woodlawn Ave., from Lake Ave. to Partridge St., North Pine Ave., from Western to Washington Aves., and North Allen St., from Western to Central Aves., as follows: (A) Barber Asphalt Paving Co., 114 Liberty St., New York; (B) North Hudson Contracting Co., Troy. The bid of the Union Paving Co., Schenectady, was declared to be informal, and was not considered. The contract was awarded to NORTH HUDSON CONTRACTING CO., Troy, for $61,826:

	(A)	(B)
31,450 sq yds. asphalt	$1.85	$1.70
400 sq. yds. replacing foundations	.90	1.00
100 lin. ft. 12" pipe.....	1.25	1.50
2 manholes	70.00	45.00
1 receiving basin	100.00	90.00
1,200 cu. yds. filling	.65	.60
30 cu. yds. gravel	3.00	2.75
30 lin. ft. blue-stone curb	.75	.80
7,500 lin. ft. resetting curb	.45	.40
1,150 sq. ft. new flag.....	.30	.25
15,100 sq. ft. relaying new flag	.11	.08
13,300 sq. ft. flag to grade..	.08	.04
3,330 sq. ft. sod	.40	.35
500 sq. ft. relaying sod..	.20	.20
Days to complete, $5	110.00	100.00
Totals	$68,227	$61,826

PAVEMENT.—Auburn, N. Y.—Itemized bids were received May 21 for paving Genesee St., Auburn, with asphalt, brick and Medina block, (a) with Auburn gray limestone curbing, (b) with Medina sandstone curbing, (c) with Berea sandstone curbing, as follows: (A) Brayer Bros.; (B) Warner Quinlan Asphalt Co., 42 Broadway, New York. J. Walter Ackerman is City Engr.:

	(A)	(B)
20,000 sq. yds. asphalt paving	$2.08	$2.04
640 sq. yds. Mack block..	2.40	2.70
1,530 sq. yds. Medina sandstone pavement	3.60	3.65
12,000 lin. ft. Auburn gray limestone curbing.	.99	.95
12,000 lin. ft. Medina sandstone curbing	.91	.86
12,000 lin. ft. Berea sandstone curbing	.86	.82
550 lin. ft. protection curbing, set	.60	.60
20 catch-basins	60.00	60.00
100,000 sq. ft. sidewalks to be relaid	.03½	.05
Combination totals for asphalt, brick and Medina block:		
With Auburn gray limestone curbing	$65,804	$65,042
With Medina sandstone curbing	$64,844	$64,962
With Berea sandstone curbing	$64,244	$64,482

SEWER.—New York, N. Y.—Bids were received as follows on May 28, by George Cromwell, Pres. Borough Richmond, for constructing a temporary combined sewer and appurtenances in Richmond Terrace. (A) Joseph Johnson's Sons, 193 Broadway; (B) Jenks, Asterson Contracting Co., 39 Pearl St.; (C) Hugh J. Connolly, 25 Richmond Terrace; (D) John E. Donovan & Sons, 25 Morningstar Road.

	(A)	(B)	(C)	(D)
321 lin. ft. reinforced concrete sewer Class A.	$18.00	$25.00	$20.00	$18.00
12 lin. ft. reinforced concrete sewer (transformer)	18.50	70.00	20.00	20.00
316 lin. ft. reinforced concrete sewer, Class B.	10.20	20.00	20.00	8.00
366 " " " " " " C.	10.85	22.00	20.00	8.00
35 " " " " " " D.	10.50	20.00	20.00	8.00
350 " " " " " " E.	8.50	18.00	20.00	8.00
59 " " " " " " F.	8.65	17.00	20.00	8.00
278 " " " " " " G.	8.00	16.00	9.50	8.00
26 " " " " " " H.	8.00	18.00	6.00	8.00
175 " " " " " " I.	7.75	14.00	5.00	8.00
34 " " " " " " J.	8.25	16.00	5.00	8.00
345 " " " " " " K.	8.00	13.00	4.00	8.00
129 " " " " " " L.	6.75	12.00	4.00	7.00
336 " " " " " " M.	6.75	12.00	4.00	7.00
730 " " salt-glazed vit. pipe, 20" diameter.	4.50	5.00	2.50	5.00
387 " " salt-glazed vit. pipe, 18" diameter.	4.50	3.25	2.50	4.50
1,340 " " salt-glazed vit. pipe, 15" diameter.	4.00	3.00	2.00	3.75
495 " " salt-glazed vit. pipe, 15" diameter.	3.50	2.50	1.00	3.25
2,205 " " salt-glazed vit. pipe, 10" diameter.	3.00	2.50	1.00	3.00
17 reinforced concrete receiving basins	120.00	150.00	25.00	125.00
10 reinforced concrete rec. basins, Class A	150.00	250.00	50.00	125.00
9 reinforced concrete rec. basins, Class B	120.00	200.00	50.00	125.00
3 temporary brick receiving basins	100.00	200.00	50.00	100.00
15 manholes	35.00	39.00	50.00	30.00
31 manholes	65.00	40.00	30.00	60.00
2,000 lin. ft. piles, furnished, driven and cut	50.00	40.00	20.00	75.00
10,000 lin. ft. B. M. yellow pine timber and planking	75.00	46.30	40.00	75.00
13,000 lin. ft. B. M. spruce planking	55.00	50.00	40.00	45.00
25 cu. yds. concrete, in place	10.00	12.00	5.00	8.00
2 cu. yds. brick masonry	20.00	18.00	12.00	18.00
1 silt box at outfall of storm water sewer	450.00	75.00	100.00	300.00
25 cu. yds. excavation	1.00	2.00	.50	1.00
2,000 cu. yds. filling	1.00	.30	.25	.90
618 ft. cast-iron pipe, 12"	5.50	5.00	10.00	5.00
25,000 ft. B. M. sheeting retained	40.00	47.00	30.00	40.00
400 sq. ft. reinforced metal	.05	.06	.06	.05
400 lbs. reinforced metal	.05	.05	.10	.05
60 lin. ft. vitrified culvert pipe, 12"	2.50	2.00	.50	1.50
490 ft. 5" concrete curb	.85	1.60	.50	.90
450 ft. 5" x 16" bluestone curb	1.20	1.60	1.15	1.00
100 ft. 6" pipe sewer	1.75	1.50	.50	1.50
Total	$63,259	$81,005	$57,197	$58,382

RIVER IMPROVEMENT.—Buffalo, N. Y.—Bids in detail were received as follows by Francis G. Ward, Comr. of Public Works, Buffalo, on May 17, for the improvement of Buffalo River and Cazenovia Creek within the city. The work is for the abatement of floods and extension of navigation. Chas. M. Morse, Deputy Engr. Comr. The bids were received for three sections, respectively numbered 2, 3 and 4. Section 2 is that part of Buffalo River from Cazenovia Creek downstream to the upper end of the wharf of the Buffalo Union Furnace Co. Section 3 is that part of Buffalo River from Cazenovia Creek to the easterly city line. Section 4 is that part of Cazenovia Creek lying between Buffalo River and Cazenovia St. (A) 3,160,000 cu. yds. earth excavation; (B) 600 lin. ft. pile protection; (C) 1,100,000 cu. yds. earth excavation; (D) 500 lin. ft. pile protection; (E) gross sum for controlling weir; (F) 350,000 cu. yds. earth excavation; (G) 9,900 cu. yds. of shale rock excavation; (H) 400 lin. ft. pile protection.

Section 2: Buffalo Dredging Co., (A) 18¼ cts.; (B) $5.12; total, $587,672. Lake Erie Dredging Co., (A) 19¾ cts.; (B) $7.50; total, $632,550. Thomas Brown Contracting Co., (A) 22 cts.; (B) $12.10; total, $702,400.

Section 3: Buffalo Dredging Co., (C) 18 cts.; (D) $5.12; (E) $12,900; total, $213,460. Thomas Brown Contracting Co., (C) 24 cts.; (D) $12; (E) $15,000; total, $285,000. John Miller & Wm. Franklin, Jr., (C) 27 cts.; (D) $10; (E) $30,000; total, $332,000. Joseph F. Stabell Co., (C) 27½ cts.; (D) $9; (E) $31,000; total, $338,000.

Section 4: Thomas Brown Contracting Co., (F) 21 cts.; (G) $1; (H) $12; total, $88,200. Buffalo Dredging Co., (F) 17 cts.; (G) $3; (H) $5.12; total, $91,248. Joseph F. Stabell Co., (F) 25 cts.; (G) $2; (H) $9; total $110,900. John Miller & Wm. Franklin, Jr., (F) 26 cts.; (G) $2; (H) $10; total, $114,800.

CIVIL SERVICE EXAMINATIONS.

MECHANICIAN.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on June 19 to secure eligibles to fill a vacancy in the position of Mechanician in the Bureau of Standards, at $900 a year, and vacancies as they may occur in any branch of the service requiring similar qualifications. Age limit, 20 years. Application Form 1093.

INSPECTOR OF HULLS.—Seattle, Wash.—The U. S. Civil Service Commission announces an examination on June 19-20 to secure eligibles to fill a vacancy in the position of Assistant Inspector of Hulls of Steam Vessels, Steamboat-Inspection Service, Seattle, Wash., at $1,400 a year, to be detailed to San Francisco, Cal., and vacancies as they may occur in the positions of Local and Assistant Inspector of Hulls in the Steamboat-Inspection Service throughout the United States. As the Commission has experienced considerable difficulty in securing eligibles for the positions of Local and Assistant Inspector of Hulls, qualified persons are urged to enter this examination. Age limit, 25 to 55 years. Application Forms 1087 and 1405.

INSPECTOR OF MASONRY.—New York, N. Y.—An examination for the position of Inspector of Masonry was held by the Municipal Civil Service Commission on May 20, at which 73 candidates passed. Following is a list of the first 25 eligibles:

Breitenstein, John S. (veteran), 63 Greene Ave., Brooklyn 83.70
Barton, William E. (veteran), 273 Twelfth St., Brooklyn 75.30
Colman, Edward W. (veteran), 146 Hicks St., Brooklyn 70.00
Healy, John R., 430 West 118th St., care of M. H. Ryan 89.10
Wolff, Max W., 184 Hamilton St., Albany 88.60
Scudder, George G., 239 West 45th St. 86.40
Kemp, James L., 80 Etna St., Brooklyn 86.00
Blakeslee, George L., 352 Fulton St., Jamaica, L. I. 85.80
Cocroft, John B., 2194 Seventh Ave. 84.70
Tobin, John, 1458 Second Ave. 83.80
Abernathy, George C., 2306 Broadway. 82.10
Walt, Ambrose M., 18 Mitchell St., Norwich, N. Y. 82.00
Sullivan, Patrick F., Grand St., Croton-on-Hudson 81.80
Perret, Peter F., 1902 Seventh Ave. 81.00
Stevens, Peter E., Main St., Nelsonville, N. Y. 80.50
Rockwell, William S., 501 West 148th St. 80.40
Murray, John L., 2439 Jerome Ave. 80.10
Lyons, James F., 67 West 107th St. 79.70
Cox, Robert E., 54 Audubon Ave. 79.60
Ross, John G., 108 Hartley Hall, West 116th St., Columbia University. 79.60
Sterling, Le Grand E., 78 Amity St., Brooklyn 79.50
Disbrow, Clarkson A., North Ave., New Rochelle 79.50
Fralick, William R., 71 West 138th St. 79.30
Starr, Frederick A., 161 West 23d St. 79.10
Ruelberg, Reuben W., 247 West 111th St. 78.60

INSPECTOR OF REGULATING, GRADING AND PAVING.—New York, N. Y.—Following is a list of those eligible for the position of Inspector of Regulating, Grading and Paving, Board of Water Supply. Examination, May 24:

Breitenstein, John S. (veteran), No. 415 Clermont Ave., Brooklyn 83.90
Cox, Robert E., 54 Audubon Ave. 94.00
Healy, John R, 430 West 118th St. 90.70
Beaumont, Eugene B., Jr., Valhalla, N. Y. 87.60
Towman, Frank B., 19a Sherman St. Brooklyn 87.10
Markey, Eugene J., 538 Ninth Ave. 87.10
Holbrook, Howard, 144 East 54th St. 85.50
Cox, William P., 54 Audubon Ave. 84.10
McNelus, John, 362 Seventh St., Brooklyn 83.80
Guidera, Patrick F., 331 Pleasant Ave. 83.50
Cocroft, John B., 2194 Seventh Ave. 83.30
Tormey, Ambrose F., 1187 Lexington Ave. 83.20
Moot, Henry C., 400 Sackett St., Brooklyn 82.90
Wiggin, Walter, 1482 New York Ave., Brooklyn 82.60
Kelly, William J., 34 West 131st St. 81.50
Faile, Thomas H., 48 Greenridge Ave. White Plains, N. Y. 80.30
Sharkey, John G., 884 Jefferson Pl. 79.80
Krulder, Peter, Jr., 1204 East 167th St. 79.30
Weisel, Nathaniel, 16 West 112th St. 78.80
Lennon, Dennis, 628 East Twelfth St. 78.50
Lyons, Joseph B., 1103 Simpson St. 77.90
Corrigan, Robert, 1056 Lexington Ave. 77.80
McPike, James (N. Q.), 754 East 171st St. 77.70
Sweeny, Thomas F., 120 Franklin St., Long Island City 76.90
Salisbury, Peter J., 181 South Fourth St., Brooklyn 76.50
King, John J., 1617 Pacific St., Brooklyn 75.60
Stoll, William C., 251 East Thirtieth St. 75.30
Keenan, James J., 809 Amsterdam Ave. 75.00
Gaynor, Joseph H., 504 West 166th St. 74.60
Joseph, Richard, 210 West 107th St. 74.60
Thompson, Charles G., 316 West 95th St. 73.50
Fenton, James S., 12 Sylvan Terrace. 73.20
Nash, Michael F., Tuckahoe, Westchester County 73.00
Gavagan, John F., 259 Warren St., Brooklyn 73.00
Logan, James F., 1306 Boston Road, care of James F. Morrison 72.80
Irving, James J., 29 Highland Ave. 72.30
Knapp, Warren H., 192 Garfield Pl., Brooklyn 70.00

For other Proposal Advertisements see pages 55, 56, 57, 58, of Advertisements and Construction News page 210.

BRIDGE CONSTRUCTION.

Frackville, Pa.

Sealed proposals will be received by the Borough of Frackville, Schuylkill County, Pennsylvania, until 12 o'clock noon of Thursday, July 1st, 1907, for the excavation and grading of Spring Street under the tracks of the Philadelphia and Reading Railway, and furnishing all material and labor required in the construction of two concrete abutments and in the erection of a steel bridge composed of four riveted girders, under said railroad.

Contractors are requested to thoroughly examine the specifications, plans and location of the bridge before bidding.

Bids from responsible and reliable contractors competent to perform this class of work, will alone be considered by the Borough Council. All bids to be accompanied by certified check for $1,500.00.

Necessary information and plans and specifications will be furnished by A. B. Cochran & Son, Engineers, Pottsville, Pa.

Council reserves the right to reject any and all bids.

Envelopes containing proposals should be marked "Proposal for Spring Street Bridge," and addressed to Mr. J. F. Carr, Town Clerk, Frackville, Penna. 23-4t

WATER-WORKS.

West Bend, Wisconsin.

Sealed bids will be received by H. P. Schloemer, City Clerk, West Bend, Wis., until Monday, June 24, 1907, at 2.00 P. M., for the furnishing of 256 tons of 4, 6, 8 and 10 inch cast iron pipe, 27 hydrants, 14, 6, 8 and 10 inch valves, laying 2,732 feet of 4, 6, 8 and 10 inch cast iron pipe, one 60,000 gallon steel tank and tower, one 50 HP. suction gas producer and engine, and one 500 gallon deep well triplex pump. The right is reserved to reject any or all bids. Certified check of 5% of bid.

Plans and specifications may be seen at the City Clerk's office, West Bend, Wis., at 31 Vroman Bldg., Madison, Wis., at 1636 Monadnock Blk., Chicago, Ill., and at the Builders' and Traders' Exchange, Milwaukee, Wis.

A. E. GRAY, Mayor,
West Bend, Wis.
W. G. KIRCHOFFER, Engineer.
23-1t Madison, Wis.

SEWERS.

Ft. Edward, N. Y.

Sealed proposals will be received at Fort Edward, N. Y., until June 20, at 8 P. M., for the construction of a system of sewers for the village. Plans and specifications may be seen at the Village Clerk's office, also at the Engineering News, and at the office of F. E. Crane, C. E., Amsterdam, N. Y. A certified check or cash for $1,000 must accompany each bid. The Board reserves the right to reject any and all bids, and to contract with other than the lowest bidder. Further information and blank form of proposal upon request. Address James M. Murry, Village Clerk, Fort Edward, N. Y.

JAY VAUGHN,
DANIEL SULLIVAN,
FRED. HILFINGER,
Committee, Board of Trustees.
JAMES M. MURRY,
Village Clerk. 23-2t

WATER AND LIGHT PLANT.

Jackson, Mo.

Sealed bids will be received by the City of Jackson, Mo., until 7.30 P. M., Tuesday, July 9th, 1907, for furnishing all materials, tools, and labor necessary to install a complete water and light plant. Deposit required, five (5) per cent. of bid.

Plans and specifications are on file with City Clerk of Jackson, Mo., and Hiram Phillips, Consulting Engineer, No. 615 Frisco Building, St. Louis, Mo., from whom contractors can obtain instruction to bidders and forms of proposals.

WILLIAM PAAR, City Clerk.
Jackson, Mo., June 3, 1907. 23-2t

RAILROAD WORK.

Indianapolis, Ind.

Wanted, bids for ballasting 50 miles of railroad in Kentucky, with crushed rock. Company will furnish equipment for distributing. Contractor to furnish and crush rock and put under track. Plenty of rock on line. For particulars address WM. LOVE & COMPANY, Board of Trade Bldg., Indianapolis, Ind. 23-1t

ELECTRIC LIGHTING SYSTEM.

Niagara ..., N. Y.

Sealed proposals, suitably ... velope, for outside electric ... ed on envelope, for outside electric ... g system, State Reservation at Niagara ... ara Falls, N. Y., will be received up to ... lock noon, on the 21st day of June, 190... Edward H. Perry, Superintendent, Stat... rvation, at Niagara Falls, N. Y., where ... will be opened and read publicly.

Drawings and specificatio... be consulted and blank forms of p... obtained at State Reservation, Niaga... , N. Y., or by application to G. L. H... ate Architect, Capitol, Albany, N. Y.

Contracts will be awarded ... lowest responsible and reliable bidder ... the bids exceed the amount of funds ... ble therefor, in which case the right ... ect all bids is reserved. EDWARD ... ERRY, 23-2t Su... tendent.

SEWERS.

Pl... ld, N. J.

Sealed proposals will be re... ed by the Common Council of the City ... Plainfield, N. J., on the twentieth day of ... ne, A. D. 1907, at 8 P. M., for the co... truction of storm sewers, including:

990 feet concrete sewer, 36 inch by 29 inch;
5 manholes.
20 branches, 12-inch;
1,553 feet 33-inch sewer.

A certified check for $300 to accompany each bid. The total amount of bond required will be $2,000.

Duplicate plans may be examined, and forms of proposals, specifications, contract and bond, may be obtained at the office of the Engineer, 151 North Avenue, Plainfield, N. J.

JAMES T. MacMURRAY,
City Clerk.
ANDREW J. GAVETT,
City Surveyor.
Dated Plainfield, N. J., June 3, 1907. 23-1t

ASPHALT PLANT.

Office of Board of Control,
Norfolk, Va., May 28th, 1907.

Proposals will be received at this office until 12 o'clock noon, on the 26th day of June, 1907, for furnishing and constructing an asphalt plant for the City of Norfolk, Va. Specifications for the above may be had on application to this office.

The right to reject any or all bids is specially reserved.

H. HODGES,
23-3t Chairman Board of Control.

U. S. ENGINEER OFFICE, Newport, R. I., June 5, 1907.—Sealed proposals for dredging in New Bedford and Fairhaven Harbors, Mass., will be received here until 11 A. M., July 6, 1907, and then publicly opened. Information furnished on application. J. H. WILLARD, Lt. Col., Engrs. 23-4t

U. S. ENGINEER OFFICE, Mobile, Ala., May 29, 1907.—Sealed proposals for dredging in harbor at Mobile, Ala., will be received at this office until 11 A. M., Friday, June 28, 1907, and then publicly opened. Information on application. H. JERVEY, Major, Engineers. 23-3t

U. S. ENGINEER OFFICE, Mobile, Ala., June 5, 1907.—Sealed proposals for construction of sea wall at Fort Morgan, Ala., will be received at this office until 11 o'clock A. M., July 12, 1907, and then publicly opened. Information on application. H. JERVEY, Major, Engineers. 23-4t

Situations Wanted

GRADUATE CIVIL ENGINEER (38), open for engagement soon. Have had large experience in design and construction of reinforced concrete. As engineer and superintendent for reinforced concrete contractors have been in charge of construction of bridges, bridge piers, viaduct, grain elevator, sewers, reservoirs and several buildings, also pile driving, cofferdams, foundations, brick, steel, sewers, paving, etc. Have estimated and bid on many plans. Have designed structures mentioned above. Just finishing design of twenty buildings and accessories for $3,000,000 plant. Successful manager. Can refer to any employer. Address "O. 22," Engineering News, New York. 23-1t

Situations Open

WANTED—Good structural and mechanical draftsman. State experience and salary. BERGEN POINT IRON WORKS, Bayonne, N. J. 23-1t

FOR SALE

FOR SALE.

Two 25-KW. direct current 110-volt Crocker-Wheeler Generators direct connected to De Laval steam turbines suitable for 125 to 150 pounds steam pressure, condensing or non-condensing. Also one 2,200 gallon centrifugal pump direct connected to De Laval steam turbine. This is new machinery. Address the NATIONAL CASH REGISTER CO., Dayton, Ohio. 23-4t